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1904
SEEDS
AND
IMPLEMENTS



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P. MANN & CO.

207 7th Street, N. W.

WASHINGTON, D. C.

OPPOSITE
CENTRE MARKET

POSTAGE ON SEEDS.

Seed in packets, ounces and quarter pounds, are mailed by us free of postage.

Half pounds, pounds, pints and quarts, the postage must be added to the price quoted ; at the rate of eight cents per pound and fifteen cents per quart.

Orders by mail will receive prompt attention and have every advantage, as to price and quality of goods, just the same as if the purchaser should call personally at our store.

While we exercise care to have all seeds pure and reliable, we do not give any warranty, expressed or implied, and will not be responsible in any respect, for any loss or damage arising from the failure thereof. If the purchaser does not accept the seeds on these terms or conditions they must be returned at once.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Estimated Quantities of Seed Required for the Space given.

Asparagus—1 oz. produces 1000 plants, and requires a bed 12 feet square.
 Asparagus Root—1000 plants to a bed 4 feet wide and 225 feet long.
 English Dwarf Beans—1 quart plants from 100 to 150 feet of row.
 French Dwarf Beans—1 quart plants 250 to 350 feet of row.
 Beans, Pole, Large—1 quart plants 100 hills.
 Beans, Pole, Small—1 quart plants 39 hill or 250 feet of row,
 Beets—10 lbs. to the acre ; 1 ounce plants 150 feet of row.
 Brocoli and Kale—1 ounce plants 2500 plants and requires 40 square feet of ground.
 Cabbage—Early sorts same as Brocoli and requires 60 square feet of ground.
 Cauliflower—The same as Cabbage.
 Carrots—1 ounce to 150 feet of row.
 Celery—1 ounce gives 7000 plants, and requires 8 square feet of ground.
 Cucumbers—1 ounce to 150 hills.
 Cress—1 ounce sows bed 16 feet square.

Egg Plant—1 ounce to 2000 plants.
 Endive—1 ounce gives 2000 plants, and requires 80 feet of ground.
 Leek—1 ounce gives 2000 plants, and requires 60 feet of ground.
 Lettuce—1 ounce gives 7000 plants, and requires seed bed of 120 feet.
 Melon—1 ounce for 120 hills.
 Nasturtiums—1 ounce sows 25 feet of row.
 Onion—1 ounce sows 200 feet of row.
 Okra—1 ounce sows 200 feet of row.
 Parsley—1 ounce sows 200 feet of row.
 Parsnips—1 ounce sows 250 feet of row.
 Pepper—1 ounce gives 2500 plants.
 Peas—1 qt. sows 120 of rows.
 Radishes—1 ounce to 100 feet.
 Salsify—1 ounce to 50 feet of row.
 Spinach—1 ounce to 200 feet of row.
 Squash—1 ounce to 75 hills.
 Tomato—1 ounce gives 2500 plants, requiring seed bed of 80 feet.
 Turnips—1 ounce to 2000 feet.
 Watermelon—1 ounce to 50 hills.

Estimated Quantities of Seed Required to the Acre.

Wheat $1\frac{1}{4}$ to 2 bushels
 Barley $1\frac{1}{2}$ to $2\frac{1}{2}$ "
 Oats 2 to 4 "
 Rye 1 to 2 "
 Buckwheat $\frac{3}{4}$ to 2 "
 Millet 1 to $1\frac{1}{2}$ "
 Corn $\frac{1}{4}$ to 2 "
 Beans 1 to 2 "
 Peas $2\frac{1}{2}$ to $3\frac{1}{2}$ "
 Hemp 1 to $1\frac{1}{2}$ "
 Flax $\frac{1}{2}$ to 2 "
 Rice 2 to $2\frac{1}{2}$ "

Broom Corn..... $\frac{1}{4}$ to $\frac{1}{2}$ bushels
 Timothy 12 to 24 quarts
 Mustard 8 to 20 "
 Herd Grass..... 12 to 16 "
 Flat Turnip 2 to 3 pounds
 Red Clover 10 to 16 "
 White Clover 3 to 4 "
 Blue Grass..... 10 to 15 "
 Orchard Grass..... 20 to 30 "
 Carrots 4 to 5 "
 Parsnips 6 to 8 "

Our catalogues are published each year, and are sent regularly to our customers whose names are on our books and to all others who apply for them.

P. MANN & CO.

INTRODUCTORY



SPECIAL NOTICE!

Owing to the unsettlement of values on the line of goods listed in this Catalogue, all prices are subject to change without notice.

I N presenting this, our 1904 Catalogue, to our patrons and friends, we wish to thank them for the very liberal support they have accorded us during the past year, and trust they will favor us with their patronage in the future. The flattering reports received from customers about the quality of our seeds have been very gratifying.

While we do not set apart any part of our Catalogue especially for novelties in the seed line, we wish to call attention to the items that are deserving exceptional mention.

CHEAP SEEDS

OURS ARE NOT CHEAP SEEDS, notwithstanding the low prices quoted in this catalogue. In seasons like this planters cannot afford to take any risks, and there is no question but that our seeds, no matter what the price as compared with those offered by our competitors, will be the cheapest in the end to all who wish to harvest successful crops.

We do make the claim that seeds of stronger vitality and superior growing qualities than we are offering to our customers are not obtainable.

WE DELIVER FREE to any Post Office or Express Office all vegetable seeds mentioned in this catalogue, if in packets, ounces, quarter, or half pounds. Purchasers must pay charges on pounds, pints, quarts, pecks or bushels, and on all agricultural tools and fertilizers.

WHEN ORDERING, please state whether you want goods shipped by mail, express or freight. When this is omitted, we use our best judgement. Remittances may be made by sending Post Office Order, Express Money Order, Registered Letter or Draft. For small amounts, postage stamps are acceptable. Catalogues are sent free to all who wish them.

DISCLAIMER.—While we exercise the greatest care to have all our seeds pure and reliable, we do not give any warranty, expressed or implied. If the purchaser does not accept the seeds on these conditions, they must be at once returned.

Yours truly,

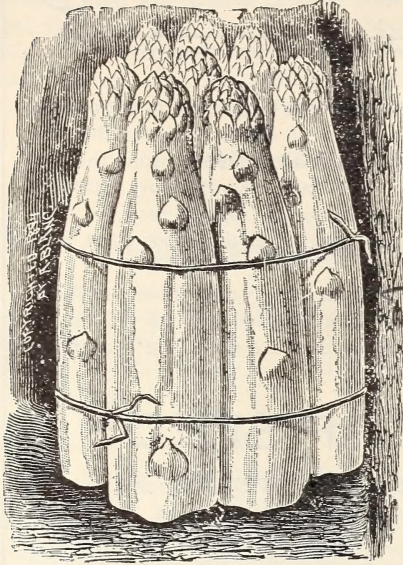
P. MANN & CO.

TELEPHONE, MAIN 1121

P. MANN & CO., WASHINGTON, D. C.

ASPARAGUS.—Spargel.

1 oz. for 60 feet drill ; 400 plants.



To grow plants from seed, sow in April or May, in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds. During the Summer "thin out," and the following Spring the plants may be set out in beds, 6x6 feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the Fall they should be cut and removed from the beds, and just before Winter cover the beds with four inches of coarse strawy manure or leaves, which should be removed in the Spring.

Colossal.—The standard variety. The shoots are of the largest size; very productive and of the best quality. 5c. a package; 15c. $\frac{1}{4}$ lb.; 50c. lb.

The Palmetto.—This variety is not only much earlier, but is also a better yielder, and is more even than the Old Favorite. The Palmetto has now been planted in all parts of the country, and the reports we hear indicate that it is equally well adapted for all sections, North and South. Package, 5c.; $\frac{1}{4}$ lb., 15c.; lb. 50c.

ASPARAGUS ROOTS.

Any variety, two year-old, per 100, 75c.; by mail, \$1.00; per 1000, \$4.00.

BEANS.

Green Podded, Dwarf or Bush Varieties.

DWARF BEAN CULTURE.

Dwarf Beans may not be safely planted until the middle of April owing to the late frost, but may be planted thereafter as desired, until the middle of August.

Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often and keep earth to the stems.

Early Yellow Long Six Weeks.

In growth and maturity is very similar to the Mohawk and is a very popular variety in the South, pods long and flat, very productive and ripens about the same time. Pint 15c. Quart 20c. Peck \$1.00. Bu. \$4.00.

Early Round-Pod Red Valentine.

Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment perfectly. Canners use them for their packing because they are stringless and always tender, besides having round pods. It is a heavy cropper, and ready to pick in about forty days. Pint 10c. Quart 20c. Peck \$1.00. Bu. \$4.00.

Stringless Green Pod.—This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than Valentine, that is to say in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. The pods are green, not quite so round as Valentine and less curved. The pods are stringless—absolutely so—this quality at once placing the variety at the top of the list among table beans. While the early maturity is of great merit, this stringless quality is of particular value, the pods breaking as short and free as pipe stems. Pint 15c. Quart 25c. Peck \$1.25. Bu. \$5.00.

Refugee, or 1,000 to 1.—The standard late pickling variety; matures two weeks later than the extra early kinds. Very valuable for pickling. Pint 10c. Qt. 20c. Peck \$1.10. Bu. \$4.00.

Dwarf Horticultural, or Dwarf Cherry.—A splendid bean for use on the table as a snap bean or for winter use. It is large, meaty and meets the requirements of the market, the table and shipper. Pint 15c. Quart 25c. Peck \$1.25. Bu. \$4.50.



SEEDS AND IMPLEMENTS

✓ Dwarf Wax or Yellow Pod Varieties.

✓ Davis Kidney Wax.—A new variety introduced 1897 season. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, mealy, stringless, and of a beautiful yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties. Pint 15c. Quart 25c. Peck \$1.50. Bushel \$6.00.

✓ Dwarf German Wax.—One of the finest of Snap-shorts, and the oldest of the Wax varieties; pods transparent, waxy yellow, and snap like pipe-stems; boil as rich as butter, and, when highly seasoned, are luscious; they are thick and very tender, entirely stringless, and fully as early as the Valentine; one of the best market varieties. The bean, when ripe, is black. Pint 15c. Quart 25c. Peck \$1.50. Bushel \$6.00.

✓ Improved Golden Wax.—(Rust-proof.)—This variety, the pods of which are of a dark, rich, golden-yellow color, is rapidly surpassing the famous Golden Wax, which has been the most popular and most desirable of all Wax varieties. It is a vast improvement not only in the size of its pods and productiveness, but it is not liable to rust, even in the most unfavorable weather. Seasons that have almost entirely destroyed the crop of Golden Wax by rust the Improved variety stood without a blemish to its pods. Pint 15c. Quart 25c. Peck \$1.50. Bushel \$6.00.

BEANS—Pole or Running.

They succeed best in sandy loam, which should be liberally enriched with thoroughly rotted manure in the hills, which are formed according to the variety, from three to four feet apart.

✓ Extra Size Large Lima.—Large white bean, very tender; used without shell; equally good in winter, if soaked 6 to 10 hours before cooking. Pint 15c. Quart 25c. Peck \$1.50. Bushel \$6.00.

✓ King of the Garden.—Large bean and pod; very heavy cropper. Pint 15c. Quart 25c. Peck \$1.75. Bushel \$6.50.

✓ Ford's Mammoth Podded Pole Lima Bean.

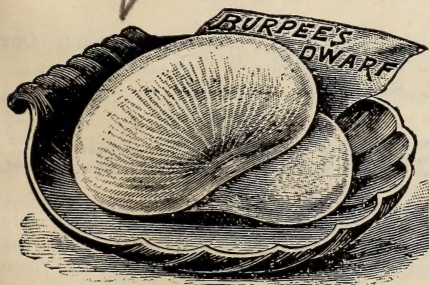
This Lima Bean is the result of over twenty years' selection by the late Jas. Ford, who was one of the oldest market gardeners around Philadelphia. The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality, for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Ford's Mammoth Podded is without exception the largest podded, finest flavored and most productive of all Lima Beans. Pint 15c. Quart 30c. Peck \$1.75. Bushel \$6.50.

✓ Lazy Wife's Pole Bean.—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for winter use. Quart 25c. Peck \$1.50. Bushel \$6.00.

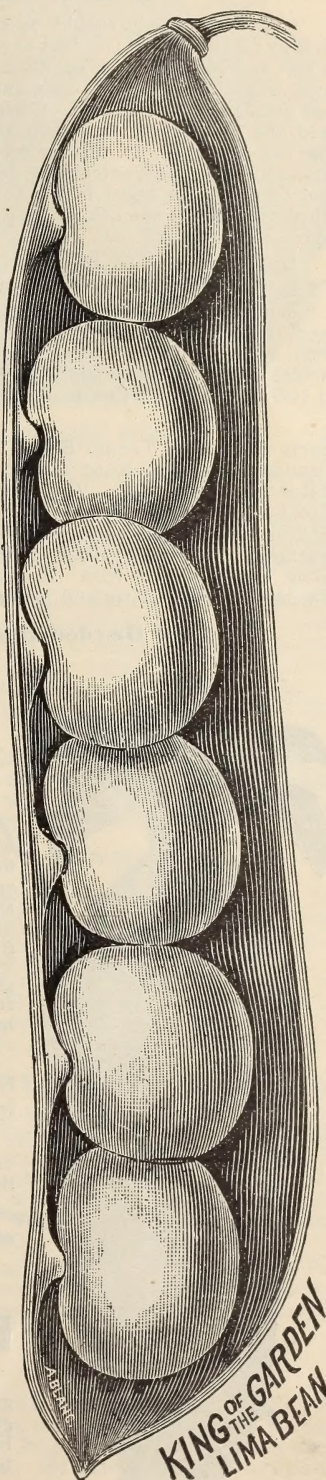
✓ Speckled Horticultural, or Cherry.—Very productive; equally good in the green state or when shelled. Pint 15c. Quart 25c. Peck \$1.50. Bushel \$5.50.

✓ Kentucky Wonder, or Improved Old Homestead.—We regard this variety as being the most desirable, best and earliest of all the green-podded running beans. Pint 15c. Quart 25c. Peck \$1.75. Bushel \$6.50.

✓ Burpee's Dwarf Lima.



as many beans of the same delicious quality. (See cut.) Pint 15c. Quart 25c. Peck \$1.75. Bushel \$6.50.



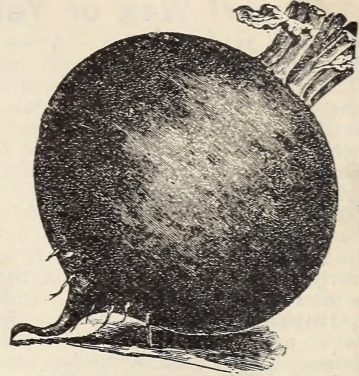
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BEETS.—(Rothe Rube, Ger.)

CULTURE.—Seeds should be sown thinly in drills one-half to one inch in depth. Make the first sowing when the trees are starting out in leaf and continue with additional plantings every three or four weeks until August 1st, so that a constant supply of fresh, tender roots may be had throughout the season. Owing to the spongy character of beet seed, the soil covering the seed should be packed firmly, either with the foot or roller, to insure proper germination. When the young plants are two or three inches in height they should be thinned to stand four to six inches apart in the rows. Those pulled out are excellent when cooked like spinach, or may be transplanted to other rows for an additional supply.

Seed may also be sown early in a hot-bed and transplanted to the garden when the season is warm enough.

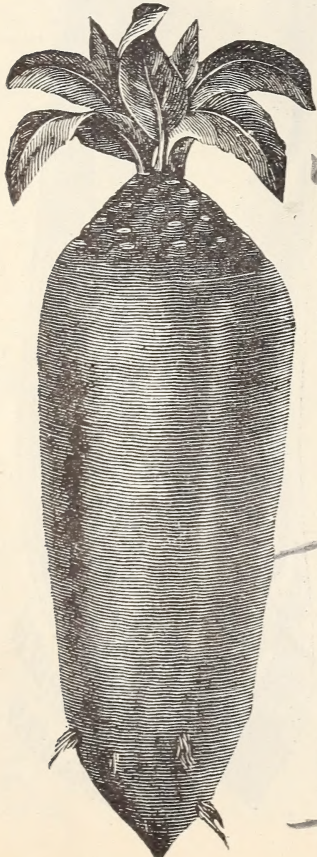
While we exercise the greatest care in selection of our crops for seed, the color of the flesh in the early sorts will vary considerably with different soils and seasons. A "packet" contains about five hundred, and an ounce package two thousand seeds. Use one ounce to 100 feet of drill; four pounds per acre in rows three feet apart.



ECLIPSE BEET.

	Per oz.	¼ lb.	Per lb.
<i>Early Blood-Red Turnip Beet.</i> The old stand-by.....	\$0 10	\$0 15	\$0 50
<i>Dewey's Improved Blood Turnip.</i> A popular strain.....	10	15	50
<i>Extra Early Egyptian.</i> Very quick-growing blood turnip.....	10	15	50
<i>Crosby's Egyptian.</i> Beets round and of better quality.....	10	15	50
<i>Eclipse.</i> Extremely early, round, blood-red beet.....	10	15	50
<i>Bastain's Half-Long Blood, or Philadelphia Perfection Beet.</i>	10	15	50
<i>Long, Smooth Blood-Red.</i> An excellent late variety.....	10	15	50
<i>Bassano.</i> Extra Early and leading market variety.....	10	15	40

All Garden Beets in regular sized packets, 5 cents per packet.



MANGEL WURZEL AND SUGAR BEET FOR STOCK FEEDING.

Improved Mammoth Prize Long Red (also called **Norbtain** and **Giant Jumbo Mangel**).—The heaviest cropping and best long mangel. This mammoth variety grows to an immense size, single roots weighing twenty to thirty pounds each, and always of a very fine texture and good quality. Henry Hodgson, of Millersville, Ohio, raised on one acre 55,750 lbs. of roots from seeds purchased from us. ¼ lb. 15c. Lb. 30c. 5 lbs. or more 20c. lb.

Red Globe Mangel.—This variety is valuable for earliness and smooth, symmetrical, globe shaped roots. The roots are about eight inches in diameter. ¼ lb. 15c. Lb. 30c. 5 lbs. or more at 20c. per lb.

BROCCOLI.—German, Spargle Kohl.

Sow thinly in seed beds about the middle of Spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White.—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c. Oz. 30c. ¼ lb. \$1.00.

BORECOLE, or KALE—See Kale.

BRUSSELS SPROUTS.—German, Sprossen Kohl.

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. So in May and manage as winter cabbage. In the Fall break the leaves down so that the little cabbage will have more room to grow.

Best Imported Dwarf.—Produces compact sprouts of finest quality; a good keeper. Pkt. 5c. Oz. 15c. ¼ lb. 50c. lb. \$1.60.

SEEDS AND IMPLEMENTS

CABBAGE

French—*Choux Poennes*.German—*Kopf Kohl*.

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about 4 weeks. For second early cabbage, sow in April and transplant in May. For late cabbage, sow in May, and transplant in July in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting go frequently over the ground and start every cabbage that appears about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air-slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see Insect Destroyers in this Catalogue.) One ounce of seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.



EARLY JERSEY WAKEFIELD.

Early Jersey Wakefield, Selected Stock.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are: large heads for an early sort, small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak. The sort mostly used for wintering over in cold frames. The seed we offer is first-class; sure to give satisfaction. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. 60c. Lb. \$2.00.



CHARLESTON WAKEFIELD.

Large Wakefield, or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 lbs.; as solid as Winningstadt. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. 75c. Lb. \$2.50.

Very Early Etampes.—Earliest of all Cabbages, except Express. Heads oblong, rounded at top, quite solid, medium size. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

EARLY WINNINGSTADT.

The Old Standby.—Well known and very popular. In season very close to Wakefield. Heads large, decidedly conical, leaves bright glossy-green, solid and hard, even in summer. A very sure header. Valuable not only for early use, but also for winter. As near wormproof as any cabbage on the list. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

HENDERSON'S EARLY SUMMER

Selected Stock.—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners.

Equal in weight to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as Wakefield. Keeps longer without bursting than any variety with which we are acquainted. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

Early Flat Dutch.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.25.

ALL-HEAD EARLY.

(True.)—A thoroughbred sort, on account of its remarkably uniform size and shape, and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. The main feature of a good cabbage is tenderness, and, in this respect, it is unsurpassed. For winter sow in July, and the plants set out about the middle of August will bring heads, large and solid, sure to winter well. By reason of its compactness, and the absence of loose leaves, fully 1,000 more heads can be obtained from an acre than of most other good sized varieties. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. 70c. Lb. \$2.50.

P. MANN & CO., WASHINGTON, D. C.

CABBAGE—CONTINUED.

✓ **Burpee's Original Surehead Cabbage.**—Produces large, round, flattened heads of the Flat Dutch type and is remarkable for its certainty to head. It is all head and sure to head, even under unfavorable conditions. The heads are remarkably uniform, very hard, firm and fine in texture, and ordinarily weigh from 10 to 15 pounds each. It is very sweet flavored, has but few loose leaves, keeps well, is good for shipping, and is just the variety and quality to suit market gardeners, farmers and all lovers of good cabbage. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 60c. Lb. \$2.00.



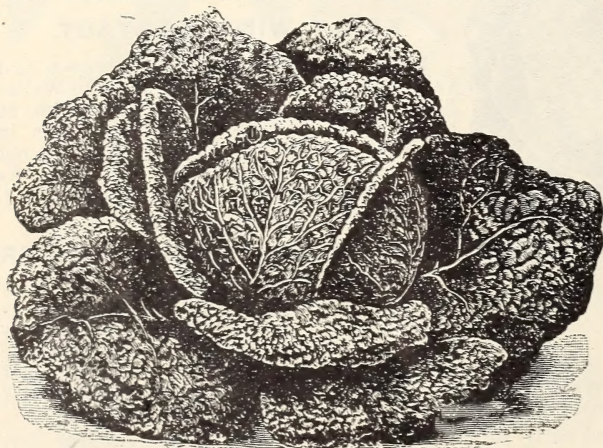
BURPEE'S SUREHEAD.

✓ **All Season.**—Heads very large, round, solid and of fine quality, keeping as well as the Winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

✓ **Autumn King, or World Beater.**—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

✓ **Succession.**—This is a splendid cabbage suitable for fall or spring sowing, has large, flat, handsome heads and matures rapidly. Plant Succession for main crop. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

✓ **Premium Late Flat Dutch.**—This variety is largely grown for late or main crop, being the favorite market variety. Heads very large, solid and broad, with flat tops; of fine flavor and quality, very short stems. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.



SAVOY CABBAGE.

Savoy Cabbage.

The Savoy or Curley Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.

✓ **Improved American Savoy.**—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoy for home use or market. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.50.

Red Cabbage.

✓ **Red Drumhead.**—Heads large, rounded, hard and very deeply colored at the heart. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

SEEDS AND IMPLEMENTS

CARROTS—MOHREN

1 oz. to 150 ft. of drill. $2\frac{1}{2}$ lbs. to an acre.

CULTURE.—Follow directions given for Beets and Parsnips, as there is no difference in the method of cultivating these roots. For early crop sow in March, for late crop in May or June.

Danvers' Half Long Point Root Carrot.



✓ **Early Scarlet Horn.**—Small, but early. Best for forcing. Pkt. 5c. $\frac{1}{4}$ lb. 20c. Lb. 70c.

✓ **Danvers' Half-Long Stump Rooted.**—A new variety of decided merit; rich in color and of handsome shape. Pkt. 5c. $\frac{1}{4}$ lb. 20c. Lb. 70c.

✓ **Danvers' Half-Long Pointed Root.**—Early and very beautifully shaped; very rich in color and best for main crop. It is worthy of a fair trial. Pkt. 5c. $\frac{1}{4}$ lb. 20c. Lb. 75c.

Cress, or Pepper Grass

Kresse.

Sprinkle seed freely along shallow drills one foot apart, at intervals, through Spring and Summer, as desired.

Curled Garden. Oz. 10c.

Water Cress.

Wasserkresse.

It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding.

Package, 10c. Oz. 20c.

✓ **Improved Long Orange.**—Deep orange color, long, smooth, most popular for general crop. Pkt. 5c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **St. Vallery, or New Intermediate.**—Pkt. 5c. $\frac{1}{4}$ lb. 20c. Lb. 70c.

Corn Salad, or Fetticus.

Ackersalat.

1 oz. will sow 20 square feet; 6 lbs. to the acre.



A vegetable used as a salad. It is sown in the opening of Spring in rows one foot apart, and is fit to use in 6 or 8 weeks from sowing. If wanted in early Spring, sow in September: cover with straw as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the Winter. Large Seeded German. $\frac{1}{4}$ lb. 15c. Lb., 50c.

Celeriac, or Turnip Root Celery.

✓ **New Large Smooth.**—A new and quite distinct sort, the roots being very smooth, large and round. Roots may be cooked and sliced, and eaten with vinegar. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c.

Special Prices on any one kind of seed in large quantities.

P. MANN & CO., WASHINGTON, D. C.

CELERY—(Sellerie.)

1 oz. to 1000 plants. 10 to 15 oz. to the acre.

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. In order to secure stock plants, cut off the tops once or twice before transplanting, which should be about in July. Make the soil very rich with well-rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center shoots.

Improved White Plume.—An early self-blanching variety, very popular for fall and early winter use. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

Pink Plume.—Similar in every respect to the White Plume except in color, which is a very beautiful and delicate shade of pink; is solid, crisp and tender. Oz. 25c. $\frac{1}{4}$ lb. 50c. Lb. 2.00.

Dwarf Golden Heart.—Very solid, an excellent keeper and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

Giant Pascal.—A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. It is unequalled for rich, nutty flavor. Blanches very easily and is very brittle. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. A favorite with Southern growers. For midwinter and early spring it is excellent. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.50.



GOLDEN SELF-BLANCHING

Gold Self-Blanching.—A most valuable variety which partakes somewhat of the celebrated "White Plume" inasmuch as it does not require such high "banking-up" as the ordinary sorts to be fit for the table. It simply needs a slight earthing-up or handling. It is of a beautiful waxy-golden color, very solid and of rich, nutty flavor. Pkt. 5c. Oz. 30c. $\frac{1}{4}$ lb. \$1.00. Lb. \$3.50.

Giant Golden Heart.—Same as the Dwarf, only the stalks are larger. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 50c. Lb. \$1.50.



DWARF GOLDEN HEART

CAULIFLOWER.

CULTURE.—Cauliflower is grown in the same manner as cabbage, but requires cool, moist weather and well enriched soil to attain perfection. It is highly valued for the mild, delicate flavor of the white heads.

Early Snowball.—Extensively advertised, this has deservedly attained great popularity, and is now extensively planted. Under favorable conditions nearly every plant will make a fine, solid head of good size. It is of dwarf habit, valuable both for early and late crops. Half sized packet 15c. Pkt. 25c. $\frac{1}{4}$ oz. 75c. $\frac{1}{2}$ oz. \$1.25. Oz. \$2.00.

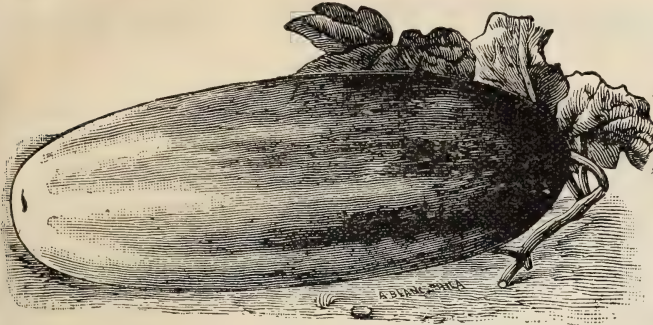
CELERY PLANTS

We are prepared to quote Celery Plants at the proper time. We arrange to have all the Standard Varieties.

WRITE FOR PRICES

SEEDS AND IMPLEMENTS

CUCUMBERS. Gurke.



1 oz. to 50 hills. 1 to 2 lbs. to an acre.

CULTURE.—For the growth of cucumbers hills are raised, standing five feet apart. Quite rich, sandy soil is the best. If necessary enrich the hills with a mixture of sandy soil and strong rotten manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as the young plants are often destroyed by bugs.

Soon as the plants attain vigor, thin them, leaving the three most promising; if practicable water during the drought, keep soil loose and free of weeds.

Early White Spine.—One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

Improved Early White Spine or Arlington.—A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very dark-green color, so that the variety is considered by many to be the best for small pickles. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

Cool and Crisp.—A strain of White Spine somewhat like the Arlington, but larger and less symmetrical. The flesh is peculiarly crisp and tender, and is one of the very best for table use. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

London Long Green.—Is the standard late sort, quite crisp, and of good size; it is not so early as either the Spine or Frame, but is more desirable for a late crop. It is the variety also grown very extensively in New Jersey and other sections for pickling, and for that purpose should not be planted until late in July or early in August, and when of a proper size picked and put in salt and water. Oz. 15c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

Jersey Pickling.—The best general crop pickle. Pronounced by growers to be a perfect pickle in every respect, being very productive; a deep green color. It has no rival. Pkt. 5c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

Gerkin or Burr.—Used only for pickling. Pkt. 5c. Oz. 15c.

The crop of Cucumber seed this season was almost a complete failure, hence the prevailing high prices. Vine seed growers never experienced such a disastrous season as the one just passed.

ENDIVE.

1 oz. to 200 ft. of drill. 3 lbs. to an acre.

CULTURE.—June or July select a bed of good soil, drill fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds and hoe liberally.

To blanch the plants and destroy bitterness, when the leaves attain sufficient length, tie them closely at the top, while perfectly dry, for the purpose of excluding light and moisture, or cover with flower-pots. After fourteen days they will be ready for use.

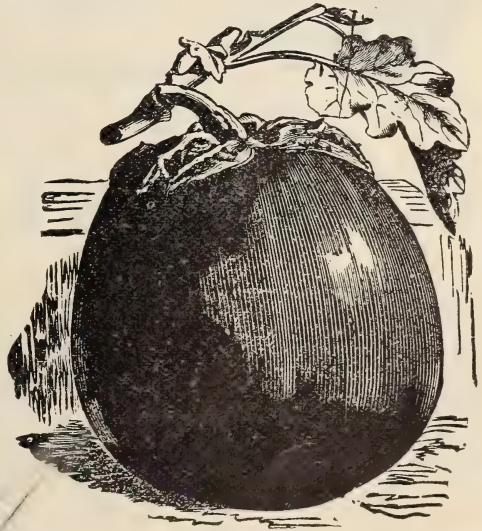
Extra Green Curled.—It is the best. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.25.



FINE GREEN CURLED ENDIVE. EGG PLANT. Eierfrucht.

1 oz. will produce 1000 plants.

Sow in March in hot-bed, and transplant when two inches high into a second hot-bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well-rotted manure and hoe often.



New York Improved Purple.—Oval shape, thornless; dark purple color and rich flavor. Pkg. 10c. Oz. 25c. $\frac{1}{4}$ lb. 75c. Lb. \$3.00.

New Mammoth Smooth Stem.—This superior strain is a decided improvement on the New York Large Purple in quality, size and great beauty. The plants are large and vigorous, leaves of a light green shade; Stem smooth, fruit large, oval, early and of a fine deep purple. Pkg. 10c. Oz. 25c. $\frac{1}{4}$ lb. 75c. Lb. \$3.00.

P. MANN & CO., WASHINGTON, D. C.

SWEET OR SUGAR CORN. MAIZE ZUCKER.



Stowell's Evergreen.

Adams' Extra Early.—The hardiest and earliest variety for the table use, it can be planted earlier than any other, but it is not a sweet corn; white, indented grains and short ears.

Early Adams.—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes.

Early Champion.—This is a comparatively new variety, only having been on the market for a few years, and has proved to be a valuable early variety. It is medium early in ripening, and produces large ears, generally having about twelve rows of beautiful white, milky grains, which are very tender and sweet, and remain so for quite a period. This is a splendid variety for planting in the home garden, as it is a strong, healthy grower and very productive. These qualities also make it a profitable Sweet Corn for the market gardener to plant. Our seed was grown especially for use in Connecticut, and is very pure.

Stabler's Extra Early.—A new variety, of larger size than usual for the early kinds. It is remarkable for sweetness and earliness. A desirable canning variety.

Country Gentleman.—A new corn of merit and desirable for family use. The grains are irregular, compact and sweet.

Stowell's Evergreen.—See illustration engraved from a photograph of an ear of our improved strain. The seed which we offer is free from glaze and flint, and has been grown completely isolated from all other varieties. Its qualities will not be found in the Stowell's Evergreen Sweet Corn as usually sold, which has deteriorated generally both in quality and productiveness. For canning purposes the Improved Stowell's Evergreen Sweet Corn will prove most satisfactory; its large ears, with long, slender grains, make the most salable canned corn.

Mammoth Late.—This produces the largest ear of any, a single ear sometimes weighing two to three pounds. It ripens a little later than the Evergreen, with larger cobs, the kernels being flatter, not horse-tooth shape.

Prices on all Sugar Corn will be named on application.

KALE OR BORECOLE.

1½ to 2 pounds to an acre.

CULTURE.—Sow in drills or broadcast, in the fall or spring. It will mature without further attention unless weeds get the start, when the latter must be removed and the earth loosened.

Curled German.—Curly, dwarf, hardy and a rapid grower. Pkt. 5c. ¼ lb. 15c. Lb. 50c.

KOHL RABI.—(Kohl Rabi).

1 oz. to 200 feet of drill. 1½ lbs to an acre.

CULTURE.—Sow in April in rows eighteen inches apart, thinning out to eight inches between plants.

Early White Vienna.—This forms a bulb above ground, and its flavor mingles the peculiarities of the cabbage and turnip. Pkt. 5c. Oz. 20c. ¼ lb. 50c. Lb. \$1.50.

LEEK.—Lauch.



Broad London or Large American Flag.—Best American-grown seed. Pkt. 5c. Oz. 15c. ¼ lb. 40c. Lb. \$1.25.

SEEDS AND IMPLEMENTS

LETTUCE

German
Lattich Salat

1 oz. to 3000 plants. 3 lbs. to an acre.

CULTURE.—Sow in hot-beds or the open ground during April and May for summer supply. Plants may be grown on a temporary bed and transplanted; or the seed may be sown where the lettuce is to mature. For a permanent bed, select rich light soil, spade deeply, incorporate manure and lay off in drills two feet apart.

✓ **Salamander.**—B. S.—Compact, tender heads, resisting summer heat. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.00.

✓ **New Iceberg.**—Quick growing heads, hard and handsome. Tender and true. There is no handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

✓ **Tennis Ball, Black Seeded.**—A favorite forcing variety, forming a large head. It makes but few outer leaves, and for this reason can be planted quite closely under glass. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.00.

✓ **Tennis Ball, White Seeded.**—The sort so extensively grown for forcing and heading under glass; good size, firm heads and very white and crisp. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.00.

✓ **Philadelphia Butter.**—A very early lettuce, excellent for forcing. Produces large heads of excellent quality; one of the best for market gardeners. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

✓ **Philadelphia Early White Cabbage.**—Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

✓ **Early Curled Simpson Lettuce.**—Heads are a yellowish green, are compact mass of curly leaves, very tender. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.00.



CALIFORNIA CREAM BUTTER LETTUCE.

✓ **Golden Queen.**—Popular for forcing. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

✓ **Improved Hanson.**—One of the finest. Beautiful fringed head. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

✓ **California Cream Butter Lettuce.**—Outside leaves are a medium green color, and inside is folded a solid head of rich, creamy yellow color. It is considered by the growers one of the best in cultivation. Oz. 15c. $\frac{1}{4}$ lb. 35c. $\frac{1}{2}$ lb. 60c. Lb. \$1.00.

✓ **Improved Big Boston Lettuce.**—Identical in color, shape and general appearance as the Boston Market Lettuce, but double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort, desirable either for cold frames or open ground planting. It heads up well all seasons of the year, and is of crisp, tender quality. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.00.

✓ **Early Prize Head.**—Large, loose heads, tinged with brown, fine flavor. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

✓ **Boston Market, or Tennis Ball.**—This variety is used specially for green house and hot-bed culture, because it can be planted very close. It grows very compact, fair size, heads slightly tinged with red on edge of leaves. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. 90c.

✓ **Oak Leafed.**—This differs from all other varieties in the fact of its having oak-shaped leaves, which are very tender and crisp, one of the best to withstand the Summer heat. Pkg. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.



BIG BOSTON LETTUCE.

P. MANN & CO., WASHINGTON, D. C.

MUSKMELON—Zucker Melone.



ACME, OR BALTIMORE CANTALOUPE

Baltimore Nutmeg—Cantaloupe—(ORIGINATOR'S STOCK).—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

Extra Early Hackensack.—It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and will keep in good condition for several days after picking. Seeds do not shake loose en route, as in many sorts. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

Rocky Fords.—An improved netted gem melon with sweet, green flesh. In the hands of Rocky Ford, Col., growers it has made that state famous in eastern markets for melons of unequalled quality. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

Emerald Gem.—Medium size; nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

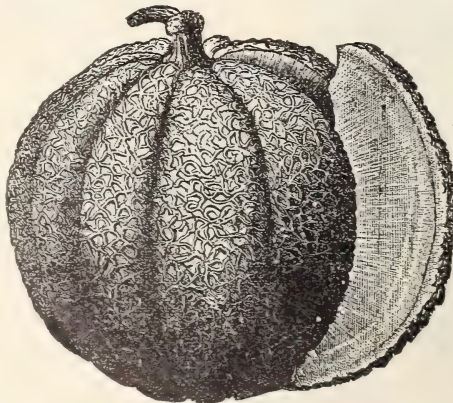
Champion Market.—Fruit large, round or oval, with shallow depressions and covered with

dense netting. Flesh green, very thick and sweet. This variety will suit those who like a large, sweet, green fleshed sort. Pkt. 5c. Oz. 15c.

The Petoskey or Paul Rose Muskmelon.—It is a cross between the Osage and Netted Gem, and combines the best features of the originals. The fruit is oval, medium size, dark exterior, thickly netted; with rich salmon flesh, so thick as to nearly close the seed cavity. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

The Extra Early Jenny Lind Muskmelon.—The Early Jenny Lind has been for many years most popular with market growers, on account of its extreme earliness and great productiveness. We now offer an improved strain of this fine Melon obtained from a leading grower of South Jersey, where Melons command the highest market prices by reason of their handsome appearance and delicious flavor. The fruit of the regular Jenny Lind is well flattened at both stem and blossom ends, ribbed and heavily netted, but in this fine type there is a distinct nub or "button" growing out of the blossom end, as if the fruit had attempted to make a second growth. This

MUSK MELON OR CANTALOUPE.



EXTRA EARLY HACKENSACK.

extra growth is a peculiarity of the earliest ripening strain, as well as an indication of finest flavor, and is eagerly sought for by buyers in the Eastern cities. Pkg. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.25.

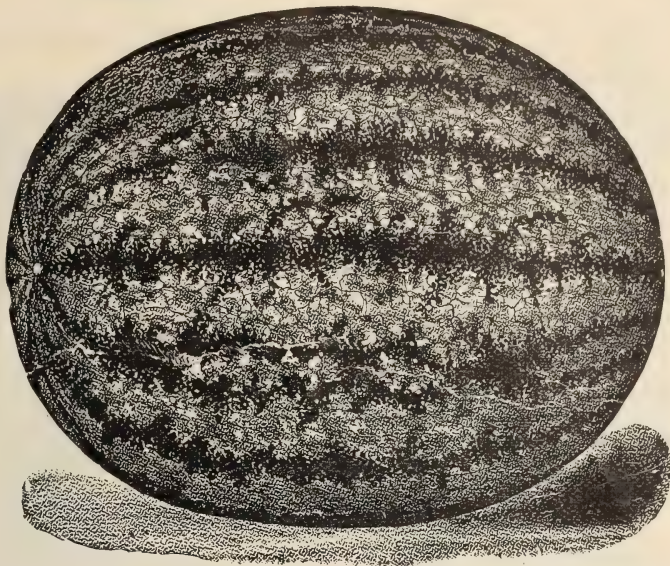
SEEDS AND IMPLEMENTS

WATERMELON.

Wassermelone.

CULTURE.—Plant in hills six or eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

Burpee's Cuban Queen.—This magnificent melon from the West Indies was first brought prominently before the public by us in 1881. The skin is beautifully striped, dark and light green. The flesh is bright red, remarkably firm, luscious, and the rind is quite thin for so large a melon. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.



Kolb Gem. Very large; flesh red, a good shipping sort. Very popular in the South.

Sweet Heart. Oval form; mottled light green skin; red flesh.

Duke Jones. A famous new Southern melon, introduced in 1895.

Florida Favorite. An oblong melon of fine flavor.

Girardeau's New Favorite. An improved Florida favorite.

Pride of Georgia. Round in shape; skin striped.

Seminole. Similar to Jordan's Monarch.

Ice Cream or Peerless. True white seeded; oblong, luscious.

The Boss. A fine, oblong melon; of small size; good flavor.

Kentucky Wonder. A popular market melon in the West.

Striped Gypsy, or Georgia Rattlesnake. A large, oblong melon.

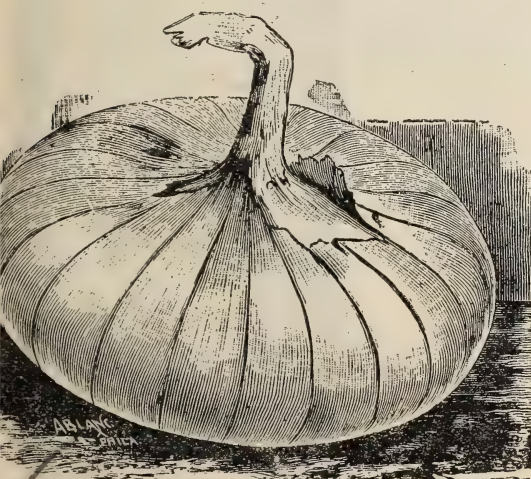
The Jones. A great favorite in the South; rich flavor.

Ruddy-Gold. Flesh yellow, marked with red; not recommended.

Colorado Preserving. The best for citron preserves.

Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 10	\$0 20	\$0 60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	20	60
10	25	75

Each of the above Watermelons, 5 cents per packet.



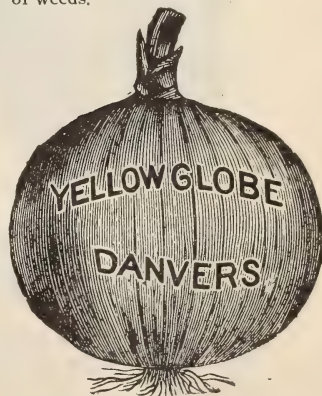
ONIONS.

Zwiebel,

Onion seeds should be sown as early as it is possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil deeply dug and lightly rolled. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of about twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

To raise large onions, select a bed of rich soil, work it deeply and add decayed manure plentifully, level the bed

and mark drills one inch deep and one foot apart. Place the roots of the sets about six inches apart in these drills. Keep the soil loose and free of weeds.



White Silver Skin.—The leading sort of white onion. Skin is of a beautiful, clear white color; flavor mild and a most excellent keeper. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

Australian Brown.—Nearly round, medium size, with skin of a deep amber brown, extremely hard and firm, of fine flavor, and will keep almost indefinitely. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

Yellow Globe Danvers.—Yellow skin, mild, fine flavor, and very hardy. Oz. 20c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

White Portugal.—Pure white skin. Oz. 20c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

Strasburg, or Yellow Dutch.—Most popular variety for sets. An excellent keeper. Oz. 15c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

P. MANN & CO., WASHINGTON, D. C.

ONIONS—CONTINUED.

Prizetaker.—This is the large, beautiful onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. They are a rich straw color and of enormous size. Although of such large size it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. Oz. 20c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

ONION SETS.

Onion sets, both rare-ripes and tops, are placed on the surface, in shallow twelve-inch drills, about four inches apart, and lightly covered. Potato onions are planted in spring or fall, as they will survive the winter. By this process early onions may be obtained several weeks earlier than from seed.

White Onion Sets. Per qt., 15c.

Yellow Onion Sets. Per qt., 15c.

Red Onion Sets. Per qt., 15c.

For sets in quantity, get special quotations, as prices vary during the season of planting.

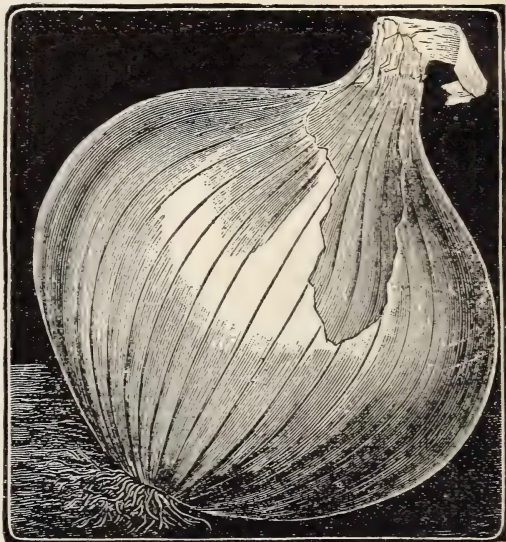
OKRA, OR GOMBO.

Safran—Quimbombo—Othro.

Select warm, rich soil and plant in rows two feet apart, thinning plants a foot apart in the row. The pods are used to thicken soups, being gathered young. Okra is preserved for winter use by slicing the pods into rings and drying them upon strings hung up and exposed to the air.

White Velvet.—Pods round, smooth, free from seams, very prolific. Price per pkt. 5c. Per oz. 10c. Per lb. 50c.

Dwarf Green Prolific, or Density.—A very dwarf and prolific variety. Pods green, smooth, and thickly set. Price per pkt. 5c. Per oz. 10c. Per lb. 50c.



PEPPERS.



Ruby King.

Ruby King.—The peppers often obtain a very large size. When ripe they are bright ruby red. Price per pkt. 5c. Per oz. 20c. Per lb. \$2.00.

Large Bell, or Bull Nose.—An early variety, fruit three to five inches long, flesh thick, sweet and mild. Price per pkt. 5c. Per oz. 20c. Per lb. \$2.00.

Long Red Cayenne.—Fruit bright coral red, grows three or four inches long and one and one-half inches in diameter. Price per pkt. 5c. Per oz. 25c. Per lb. \$2.50.

Golden Queen.—Very large, bright golden yellow, mild in flavor. Price per pkt. 5c. Per oz. 20c. Per lb. \$2.00.

Celestial.—The plant sets its fruit very early, and continues until frost. Up to the time they are full ripe, they are of a delicate, creamy-yellow color, then changing to vivid scarlet. The peppers are very mild. Price per pkt. 5c. Per oz. 25c. Per lb. \$2.50.

Red Cherry.—A small, round variety, of dwarf growth, very piquant and quite ornamental. Price per pkt. 5c. Per oz. 25c. Per lb. \$2.50.

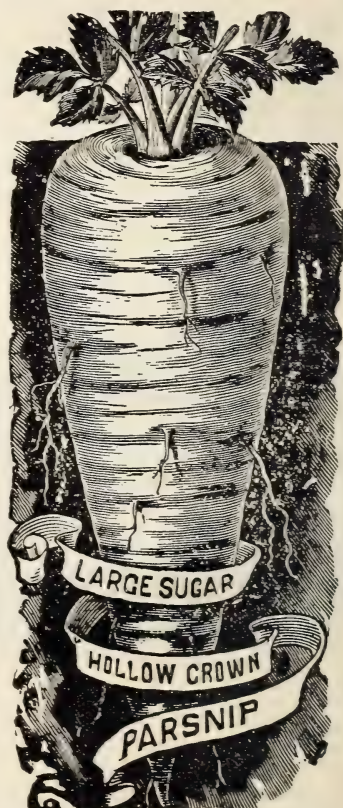
PARSNIP. *Pastinake.*

1 oz. to 150 feet of drill.

Sow as early in the Spring as the weather will permit in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to six inches apart in the rows to creep. To keep well in the ground over winter, draw a little earth over the tops.

Hollow Crown, or Large Sugar.—The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. Pkt. 5c. $\frac{1}{4}$ lb. 15c. Lb. 50c.

Improved Guernsey.—An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality. Pkt. 5c. $\frac{1}{4}$ lb. 15c. Lb. 50c.



SEEDS AND IMPLEMENTS



PARSLEY—Petersilie.

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and 1 inch apart. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich, loamy soil is required. For Winter use a few plants placed in a box in the cellar will give a supply.

Extra Dark Moss Curled.—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich extra dark green coloring. Very productive, and most attractive as a garnish both on account of this deep-green coloring and fine mossy appearance. Pkt. 5c. $\frac{1}{4}$ lb. 15c. Lb. 60c.

Fine Double Curled.—Plants of dwarf, compact growth, and the young leaves have the edges heavily crimped, being of quite moss-like appearance. Pkt. 5c. $\frac{1}{4}$ lb. 15c. Lb. 60c.

Extra Curled Dwarf, or Emerald.—The plants are of dwarf, compact growth, while the leaves are of a handsome bright green coloring, very finely crimped and curled, of a most ornamental appearance. One

of the finest for garnishing or flavoring. Pkt. 5c. $\frac{1}{4}$ lb. 15c. Lb. 60c.

SEED POTATOES—Northern Grown.

10 bushels to the acre in drills
3 feet apart.



The potatoes we offer are carefully selected by experienced and reliable growers in the most favorable locations of the North. They can be depended upon as being strictly first-class and true to name.

Special prices will be given on application.

eat well. Rose color, but more oval in form; good for the farm or market garden. Stock limited.

Early Harvest.—Originated in Maine, and grown successfully for several seasons; tubers white, of finest quality, oblong in shape, good shipper, and may be considered as a

second early variety.

Early Northern.—Originated in Aroostook, introduced in 1892. A seedling of the Early Rose, which it much resembles in appearance; earlier than Early Rose and more prolific. Table qualities unexcelled, very hardy.

New Queen.—A seedling of the Beauty of Hebron, and resembles it; large, smooth, and vigorous grower, of splendid table qualities, very productive.

Green Mountain.—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

White Star.—Medium late, of good size and quality, white in color; eyes flush with the skin, and a good keeper.

Burbanks.—This variety is quite largely used as one of the reliable late Potatoes, is of good size; white skinned; of oblong shape and good yield; it is a late keeper and also of good flavor.

Extra Early Bovee.—A most desirable new Potato introduced several years ago, has become very popular. Reported 12 days earlier than Early Ohio, and is the earliest Potato we know of. The best Potato of the Early Hebron type. Vines dwarf and stocky; tubers have pink skin and are smooth, handsome and of fine quality. Heavy producer.

Early Rose.—For a generation the standard Potato of the whole country for earlies, yield, thrift, beauty and table qualities, because it always succeeds well in any soil in any climate and in any latitude; too well-known to need description. Our stock is strictly pure.

Early Beauty of Hebron.—For many years a standard variety, nearly as early as the Early Rose, but exceeds this variety in productiveness, and of fine table qualities.

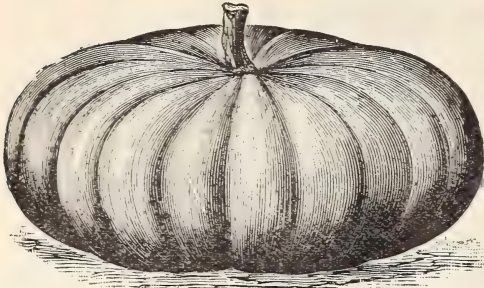
Early Ohio.—Generally accepted throughout the Western States as the standard early Potato. A week earlier than Early Rose; dull red, round oblong; quality dry and mealy; requires rich, moist soil for perfect development.

X X Early.—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fertilizer, yields well; is free from blight; potatoes come to eatable size very early and

NEW JERSEY GROWN SEED SWEET POTATOES.

Prices Quoted on Application.

P. MANN & CO., WASHINGTON, D. C.



LARGE SWEET CHEESE PUMPKIN.

of all Pumpkins, good for pies and stock feeding. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 15c. Lb. 30c.

Mammoth Tours.—Immense size, often weighs 100 lbs. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 35c. Lb. \$1.25.

PUMPKINS.

Large Cheese.—A good cooking variety, cheese shape, creamy yellow color, flesh fine grained, and one of the best for pies. Price per pkt. 5c. Per oz. 10c. Per lb. 50c.

Japanese Pie.—Crooked-necked variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Pkt. 5c. Oz. 15c. Lb. 75c.

Large Common Yellow Field (Yankee Cow Pumpkin, Connecticut Field.)—Hardest

PEAS.

On account of the very short crop in some varieties of Peas, prices are subject to change without notice.

Peas mature early in a light, rich soil. For a general crop, a rich, deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows 1 inch apart and 3 to 5 inches deep, the depth depending on the time of sowing, nature of soil, as well as variety. Rows should be from $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart, according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing early varieties as early as the ground can be worked in the Spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. It is best to late planting on sandy soil, as there is some danger of mildew at this season when planted on heavy land. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth hard sorts, and if planted early should have dry soil and not planted deep, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 feet of drill; two or three bushels to the acre.

PEAS.—(Erbsen.)

Add 15c. per quart extra if to be sent by mail. 1 qt. for 100 ft. of drill, 2 bushels to the acre.

Extra Early Alaska.—The earliest blue pea. The dark green color of the pods makes it extremely desirable as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height two feet. Pt. 15c. Qt. 25c. Pk. 90c. Bushel \$3.50.

First and Best.—It is very profitable for the gardener and shipper because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances grow to exceed 20 inches in height. Pt. 15c. Qt. 25c. Pk. 90c. Bu. \$3.50.

EXTRA EARLY WRINKLED PEAS.

Nott's Excelsior.—The very best short vine.



EXTRA EARLY ALASKA.

Wrinkled extra early Pea. Vines are more vigorous and taller than the American Wonder, and the pods are one-third larger, containing often 6 to 8 large Peas, closely compacted together, and for sweetness and quality it has no superior. Pt. 15c. Qt. 25c. Pk. \$1.75. Bu. \$7.00.

American Wonder.—This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good sized and well filled pods of the finest flavor. Dry peas, medium size, wrinkled and flattened, pale green. Requires liberal fertilizing. Pt. 15c. Qt. 25c. Pk. \$1.75. Bu. \$7.00.

Gradus (Prosperity.)—Probably the best extra early pea yet introduced. Only two or three days later than Alaska, and a wrinkled pea of excellent quality. Pk. \$2.50. Bu. \$9.00.

SEEDS AND IMPLEMENTS

PEAS—Continued.

WRINKLED
VARIETIES.

✓ **Premium Gem.**—This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing to a height of from twelve to fifteen inches, and bearing an immense crop of pods, which are larger and invariably well filled with peas of best quality. The dry peas are green, large wrinkled, often flattened. Pt. 15c. Qt. 25c. Pk. \$1.50. Bu. \$6.00.



PREMIUM GEM PEAS.

✓ **Pride of the Market.**—A famous variety, producing pods as long as the Stratagem, and very productive; grows from eighteen inches to two feet high and is of fine flavor; is one of the best and most popular varieties for either market or private growing. Pt. 15c. Qt. 25c. Pk. \$1.50. Bu. \$5.50.

✓ **Telephone.**—A luscious wrinkled pea-pod, large size, and peas excellent quality, an enormous cropper, grows four feet high, Pt. 15c. Qt. 25c. Pk. \$1.25. Bu. 4.50.

✓ **Yorkshire Hero.**—A splendid and popular wrinkled green marrow pea, very prolific, exceedingly luscious, and an abundant bearer; grows about two and a half feet high. Pt. 15c. Qt. 25c. Pk. \$1.25. Bu. \$4.50.

✓ **Bliss' Everbearing.**—This variety, introduced a few years ago, has proved a favorite for general use; branches considerably if not too thickly planted; large, well filled pods. Pt. 15c. Qt. 25c. Pk. \$1.25. Qt. 4.50.

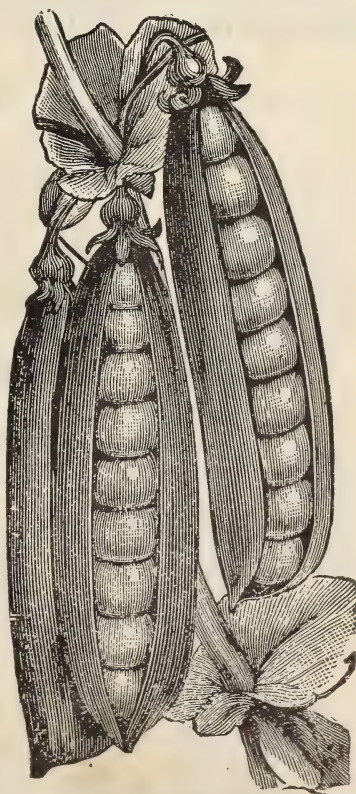
✓ **Bliss' Abundance.**—A wrinkled medium early pea of excellent quality; of branching habit and about two feet high. Pods of good length and well filled. Pt. 15c. Qt. 25c. Pk. \$1.25. Bu. \$4.50.

✓ **Champion of England.**—Wrinkled.—A green wrinkled variety, famous for its delicious flavor. Consider it one of the finest varieties for family use, and will follow any of the second early varieties in ripening. Pt. 10c. Qt. 20c. Pk. \$1.00. Bu. \$3.50.

GENERAL CROP.

✓ **Dwarf White Marrowfat.**—Height three and a half to four feet. Peas large, standard variety. Pt. 10c. Qt. 15c. Pk. 75c. Bu. \$2.50.

✓ **Black Eye Marrowfat.**—Pt. 10c. Qt. 15c. Pk. 75c. Bu. \$2.50.



TELEPHONE.

P. MANN & CO., WASHINGTON, D. C.

RADISH

—(Rettig).



PHILADELPHIA WHITE BOX.

One ounce will sow 100 feet of drill, 9 lbs, will sow an acre.

CULTURE.—Select light sandy soil; spade deeply and manure well. For early crop, sow in hot-beds in February or March. For main crop, sow at intervals from early spring until last of September, in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few weeks' growth.

Early Varieties.

Philadelphia White Box.—Has a very small top, color white, turnip shape, equally valuable for growing under glass or in open ground. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

Vick's Scarlet Globe.—Very early for forcing; globe form and beautiful. Try it in your hot-beds. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

Early Scarlet Turnip (White Tipped).—Early; fine grain and flavor; round, with white tip. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

Early Scarlet Turnip.—Small, round, mild and crisp, a standard early sort. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

Deep Scarlet Turnip.—Very early and a good forcing variety. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Early Long Scarlet.**—Short top, long, deep scarlet roots, fine flavor. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **French Breakfast.**—A quick growing, oval-shaped radish, light color and white tip. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Long Brightest Scarlet.**—This is an improvement of the old time long scarlet, being somewhat thicker and not quite so long; color bright scarlet, white tip, is very early, mild flavored, fine for forcing or out-door planting. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Long White Vienna or Lady Finger.**—This in shape resembles the long scarlet; color snow white; it is of very rapid growth, and remarkably crisp, brittle and tender. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

Summer Varieties.

✓ **White Strasburg.**—Large white radish, which stands summer heat, handsome shape and pure white color. (See cut). Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 50c.

✓ **New Chartier.**—The color at top is crimson, running into pink at middle, and thence downward to pure waxy white. It will attain a very large size before it becomes unfit for use. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Chinese Winter Rose.**—Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Round Black Spanish Winter.**—Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.

✓ **Long Black Spanish.**—Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 60c.



WHITE STRASBURG RADISH.

SEEDS AND IMPLEMENTS

Spinach

For spring use sow early in drills 1 foot apart, and for succession sow every two weeks. As it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in ground well manured; mulch with straw on approach of severe cold weather. One ounce of seed for 100 feet of drill; 10 pounds for an acre.

Long Standing.—The best for spring sowing, because it will stand longer before running to seed than any other variety. $\frac{1}{4}$ lb. 10c. Lb. 25c.

Bloomsdale Savoy.—Well known and popular with market gardeners. The best and most profitable. Very curly. $\frac{1}{4}$ lb. 10c. Lb. 25c. 10 lbs. or over 20c.

PRICE ON SPINACH SEED IN LARGER QUANTITIES WILL BE GIVEN ON APPLICATION.

Squash.

(Kurbis.)



EARLY WHITE BUSH SQUASH.

Bush sorts, 1 oz. for 50 hills. Bush varieties, 5 to 6 lbs., and running varieties, 3 to 4 pounds, in hills for an acre.

CULTURE.—After the weather is settled and warm, plant in hills five to eight feet apart. Rich soil is best, but if necessary the hills alone may be enriched. Allot eight seeds to a hill, but do not allow more than three vigorous plants to remain at each hill. Keep soil loose and free of weeds. Water if drought prevails.



BOSTON MARROW SQUASH.

Early White Bush Scalloped, or Patty Pan.—The best for early market use. Preferred for table. (See cut.) Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 20c. Lb. 70c.

Summer Crookneck.—Early, fine flavor; a desirable table sort. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 25c. Lb. 70c.

Winter Crookneck.—Flesh red, fine flavor; largely grown for winter use. Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 25c. Lb. 70c.

Boston Marrow.—A splendid winter squash of good keeping qualities. Flesh bright orange, fine grain and flavor unsurpassed. It is oval-shaped and thin skin of bright orange color. For pies it is equal to the best pumpkin. (See cut.) Pkt. 5c. Oz. 10c. $\frac{1}{4}$ lb. 25c. Lb. 90c.

Hubbard.—A desirable sort, suitable for winter use. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 30c. Lb. \$1.00.

Salsify.

(Vegetable Oyster.)

6 to 8 lbs. to an acre.

CULTURE.—Sow early in spring, in drills fifteen inches apart; cover with fine soil one and a half inches deep; thin to six inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.

Sandwich Island Mammoth.—A new and improved Salsify. Roots are very large and superior; grown extensively for our large city markets; much superior to other sorts. (See cut). Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 25c. Lb. \$1.00.

Large White.—A very good variety for general use; handsome shape, large and smooth. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 25c. Lb. \$1.00.



P. MANN & CO., WASHINGTON, D. C.

TOMATO. —(Liebesapfel.)

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seed in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plants up with wool or other strong, soft twine, pruning out quite freely as vines advance in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape growers. The sacks should be put on when the tomatoes are about three-fourths grown. About 2,000 plants from one ounce of seed is a safe estimate.

Aeme.—One of the earliest and best purple sorts; of medium size, perfectly smooth, very solid and a great bearer, crimson color with a pinkish cast. Pkt. 5c. Oz. 15c. $\frac{1}{4}$ lb. 40c. Lb. \$1.50.

Buckeye State.—Very productive; large, smooth, purple. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 60c. Lb. \$2.00.

Trophy.—Very large, solid and generally smooth; selected strain. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 60c. Lb. \$2.00.

Prizetaker.—A splendid marketable tomato. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

Queen.—Large perfect tomato. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$2.00.

Dwarf Champion.—This new tomato is dwarf and compact in growth, the plants growing stiff and upright, with thick jointed stems and foliage unlike any other tomato. It is very early, smooth, medium size, sound, handsome and abundant bearer. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. 75c. Lb. \$2.50.

Paragon.—Somewhat resembles the Queen and an immense cropper. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

Favorite.—This is a large, perfect shaped tomato. One of the best. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 50c. Lb. \$1.75.

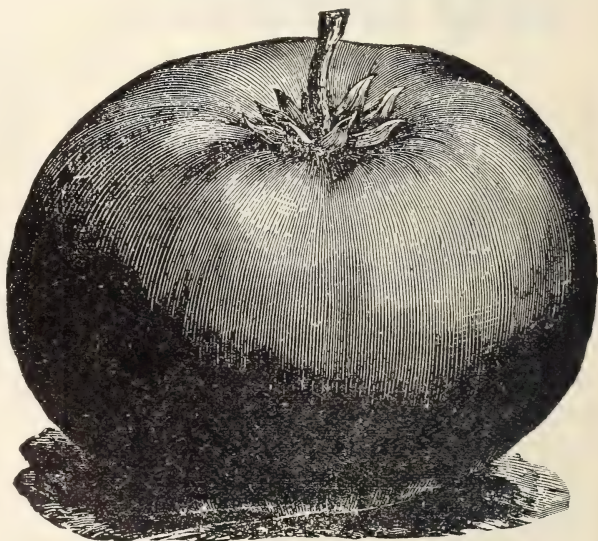
Livingston's Magnus.—New; large, late, purple; potato-leaf foliage, and most delicious flavor. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. 60c. Lb. \$2.00.

Perfection Tomato.—An old reliable sort of much merit. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb. 65c. Lb. \$2.00.

Trucker's Favorite.—The best of all main crop, purple colored tomatoes. It originated in Burlington County, N. J. It is one of the largest tomatoes grown, and is most regular in shape and size. Color purplish-red, very solid, firm flesh, a good keeper, and not subject to rot or crack on the vines. It is an excellent shipper, and sold in Philadelphia markets at better prices than any other variety at the same time. Pkt. 5c. Oz. 30c. $\frac{1}{4}$ lb. 75c. Lb. \$3.00.



A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. For shipping and early market it cannot be excelled. Can be picked quite green, look well, ripen nicely and keep a week after ripe. Pkt. 5c. Oz. 20. $\frac{1}{4}$ lb. 60. Lb. \$2.00.



PRIZE-TAKER TOMATO.

SEEDS AND IMPLEMENTS

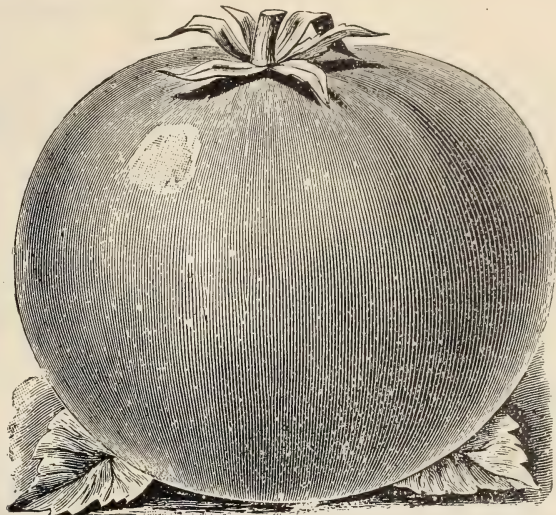
TOMATO

 —(Continued.)

✓ **New Stone.**—This variety has obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Pkt. 5c. Oz. 20c. $\frac{1}{4}$ lb 50c. Lb. \$1.75.

✓ **Ponderosa.**—It is the largest fruited deep colored Tomato known, of fine quality, solid, almost seedless and free from acid. The vines are strong, rather open growth; fruits largely oblong in form and deep through, but quite a percentage are too rough to please some growers. Pkt. 5c. Oz. 25c. $\frac{1}{4}$ lb. \$1.00. Lb. \$3.50.

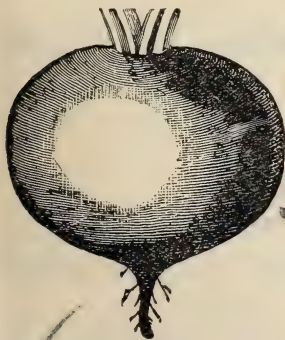
✓ **New Matchless Tomato.**—Matchless Tomato deserves its name because of its distinct and excellent qualities. From the time it ripens its first fruit until frosts in fall stop the yield, its vigorous and healthy vines are actually crowded and laden with beautiful fruit of largest size and solidity. It is a first-class shipper, and sells for the best prices in the market. Pkt. 10c. Oz. 25c. $\frac{1}{4}$ lb. 75c. Lb. \$2.50.



NEW STONE TOMATO.—BEST FOR MAIN CROP.

TURNIP.

For early crop sow in latter part of April; for fall and main crop from middle of June until last of August. **One pound is sufficient to sow an acre.**



✓ **Purple Top White Flat.**—A rapid growing white, flat, strap leaf turnip, with purple top; mild flavor, and very popular for early use and general crop. Oz. 5c. Lb. 40c.

✓ **Purple Top White Globe.**—A Standard white variety, with purple top, handsome globe shaped, and heavy cropper; leading tur-

nip among truckers and gardeners. Oz. 5c. Lb. 40c.

✓ **Amber Globe.**—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock. Oz. 5c. Lb. 40c.

✓ **Yellow Aberdeen.**—Hardy, good keeping turnip; yellow flesh and very productive. Oz. 5c. Lb. 40c.

✓ **Improved American Purple-Top Ruta-Baga.**—Very hardy and productive; flesh yellow, solid and sweet; good for table use or stock. Oz. 5c. Lb. 40c.



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Observe,
that on account of short crops in some varieties of seeds, prices are subject to change without notice.

NOTICE.

The greatest care is taken to supply every article true to name, and of the very best quality; at the same time it is understood that we do not warrant our seeds and that we are not in any respect responsible for any loss or damage arising from any failure thereof.

P. MANN & CO., WASHINGTON, D. C.

HERBS.

(Gewortze.)

Sow early in April or May, in a sheltered, well-prepared spot in the open ground, either broadcast or in shallow drills about seven inches apart. Thin out the plants thus raised, and keep clear from weeds. A few sweet aromatic and medicinal herbs are very valuable for flavoring soups, etc., and care should be taken to harvest them properly on a dry day, as they come into full blossom, then dry quickly and pack closely, entirely excluding the air.

	PER OZ.	PKT.		PER OZ.	PKT.
<i>Anise</i> , biennial.....	15c.	5c.	<i>Lavender</i> , perennial, 2 ft.....	20c.	5c.
<i>Balm</i> , Sweet, perennial, 1 ft.....	30c.	5c.	<i>Rosemary</i> , perennial, 4 ft.....	30c.	5c.
<i>Basil</i> , Sweet, annual, 1 ft.....	20c.	5c.	<i>Saffron</i> , annual, 3 ft.....	10c.	5c.
<i>Caraway</i> , perennial, 2 ft.....	10c.	5c.	<i>Sage</i> , annual, 1 ft.. 50c. ¼ lb.....	15c.	5c.
<i>Dill</i> , biennial, 3 ft.....	10c.	5c.	<i>Summer Savory</i> , annual.....	15c.	5c.
<i>Fennel</i> , Sweet, perennial, 6 ft.....	10c.	5c.	<i>Sweet Marjoram</i> , annual.....	20c.	5c.
<i>Horehound</i> , perennial, 2 ft.....	25c.	5c.	<i>Thyme</i> , annual, 1 ft.....	30c.	5c.
<i>Hyssop</i> , perennial, 3 ft.....	25c.	5c.			

A FULL ASSORTMENT OF FLOWER SEEDS

Put up nicely in Illustrated Papers, explaining Culture, etc.

PACKET 5 CENTS.

SUMMER FLOWERING BULBS.

CALDIUM, OR ELEPHANT EARS.

GLADIOLI AND TUBEROSE BULBS.

DAHLIA, CANNA AND MADEIRA VINE ROOTS.

SWEET PEAS.

The demand for Sweet Peas has increased more and more each season, and the past few years have placed them in the first ranks among flowering plants.

Eckford's Fine Mixed.—This is a splendid mixture which includes nearly all of the best varieties. Pkt. 5c. ¼ lb. 15c. Lb. 40c.

Emily — Henderson.—Pure white, very productive, one of the earliest; popular with florists for forcing. Pkt. 5c. ¼ lb. 20c. Lb. 50c.

GRAFTING WAX.

One-quarter pound package.....	10 cents
One-half pound package.....	15 "
One-pound package.....	30 "

SEEDS AND IMPLEMENTS

Farm, Field, Forage and Silo Seeds.

We give special attention to the quality of all our Farm Seeds, and send out only re-cleaned stock. It is our aim to send out absolutely pure stock, true to name. For green manures, we recommend sowing thickly, Scarlet Clover, Sugar Cane, Tares, Field Peas, Rye and Oats, and plowing under when six to eight inches high.

Owing to market fluctuation, impossible to quote prices. When in need, state quantity, and we will be pleased to send samples and quote lowest market Prices.

Kentucky Blue Grass.—Perennial. Height, 10 to 15 inches. This valuable grass is suited to a variety of soils, from an average dry one to moist meadows, and as a pasture grass is indispensable. It is very productive, unusually early, and presents a beautiful green appearance in early spring, while other grasses are yet dormant. It makes a splendid lawn grass, forming a thick turf, and being of very even growth, producing only one flowering stem a year, while many other grasses continue to shoot up flower stalks throughout the season. Kentucky Blue grass also makes hay of excellent quality, but the yield for this purpose is not equal to some other grasses. Sow (if alone) 40 pounds per acre; weight per bushel, 14 lbs.

Orchard Grass.—Perennial. Height, 3 feet. It blossoms about the same time as Red Clover, making it, on that account, a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, and its power of enduring the cropping of cattle commend it as one of the very best pasture grasses. Sow 35 pounds to the acre; weight per bushel, 14 lbs.

Red Top, or Herd's Grass.—Perennial. Height, 1 to 2 feet. Valuable either for lawn mixtures, mixing in hay, or permanent pasture grasses; is common throughout the country; succeeds almost everywhere, but reaches its highest stage of perfection in a moist, rich soil, in which it attains a height of 2 to 2½ feet. Sow (if alone) 45 pounds per acre; weight per bushel, 14 lbs.

Fancy Pure Seed.—Weight about 32 lbs. per bushel. Sow 10 to 12 lbs. per acre.

Red Clover Medium.—The common variety, used with other grasses for either pasture or meadow.

Red Clover—Mammoth, or Pea Vine.—Grows 5 or 6 feet high, with large, coarse stalks, and is largely used for plowing under for manure.

Crimson, or Scarlet Clover.—This is a variety in common use in the South for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe, cold, freezing weather. In warm climates, four or five cuttings are made during the season. It grows about 1 foot high, blossoms long, pointed, and of a very deep red or carmine color. Makes good hay.

MILLET.

Golden, or German.—This is a valuable forage plant, and yields very heavy crops; grows from 2 to 4 feet high, heads single and similar to Hungarian, though large and with bright yellow oval seeds.

BUCKWHEAT.

Japanese.—The straw is heavier, it branches more, and does not need to be sown as thickly as the other kinds.

Silver Hull.—A heavy yielder; the berry is of a light silvery-gray color.

Timothy.—A well-known grass, and on some soils it will produce a larger crop than any other variety. We carry a large stock of this seed, which is graded as "Prime," "Strictly Prime," and "Choice."

Alsike, or Hybrid Clover.—Even clover-sick lands will produce a good crop of this; perennial and very hardy. It is very valuable both for pasturing and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Sow in spring or fall; 6 lbs. to an acre.

Alfalfa, or Lucerne.—One of the best varieties, succeeding in almost every situation. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow in the spring to secure a good stand before winter. If to be used for pasturage or curing, sow 15 to 20 lbs. per acre.

SOUTHERN COW PEAS.

The Great Land Renovator.

Their value as a fertilizing crop exceeds that of clover, for in addition to being a larger Nitrogen gatherer than clover, they draw from the subsoil to the surface large amounts of both Potash and Phosphoric acid, thus putting the soil in most excellent condition for following crops.

Sow 1¼ to 1½ bushels per acre, on land thoroughly pulverized, and disk or plow with a cultivator or double shovel plow. If wanted for hay, cut when peas are forming, cure as clover. If peas are for fertilizer, sow same quantity as for hay, turn under when peas are in bloom.

SORGHUM, OR SUGAR CANE.

Plant in drills three-quarters to one bushel; broadcast, 1 to 1½ bushels to the acre.

Sorghum is being used extensively as a general food for cattle, horses and mules; it is a sure crop, being a great drought resister and an immense yielder, producing many tons of most nutritious green fodder to the acre. Specially fine for food for milch cows when pasture is short.

Early Orange Cane.—A strong grower; much more juicy than any other variety. The stalk is heavier, and a little later than the Amber.

Early Amber Cane.—This popular and well-known variety is the earliest, and makes the finest quality of both sugar and syrup.

FIELD CORN. Feld Korn.

Kaffir Corn.—Produces two to four heads from a single stalk. Stands drought wonderfully, and yields paying crops of grain or forage, even in dry seasons when corn has utterly failed. The whole stalk, as well as blades makes excellent fodder, and all stock eat it greedily. Sow in rows three feet apart, 5 lbs. per acre; broadcast, 15 lbs. per acre.

Golden Beauty.—A large, broad grained yellow corn, with ears of perfect shape and very small cob. The richness of color and quality of the grain makes it a very superior variety. Ear well filled and very productive. Qt. 10c. Pk. 50c. Bu. \$1.25.

Hickory King.—A large, broad grained white corn, and undoubtedly the smallest cob of any white corn ever produced. Qt. 10c. Pk. 50c. Bu. \$1.25.

SEED WHEAT, RYE AND OATS.

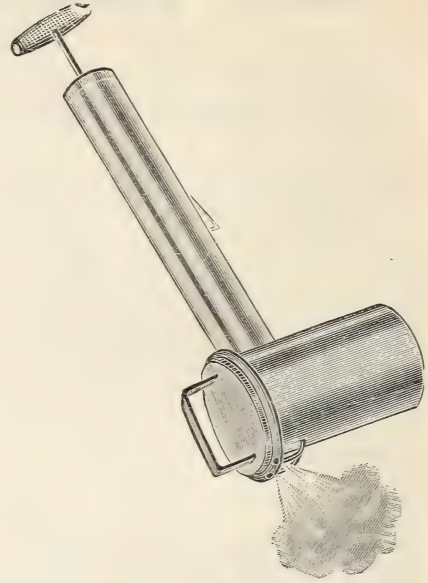
Write for special prices on Clover and Grass Seeds.

P. MANN & CO., WASHINGTON, D. C.

The No. 10 Electric Insect Sprayers, 60c.

No. 2 Eclipse Sprayers, 50c.

These Sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. They are particularly recommended for spraying all kinds of plants, bushes, vines, trees, interior of henneries, and also for spraying horses and cattle to keep off the flies.



The Myers Imperial Brass Spray Pump.

This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in the proper position.

For spraying it is so arranged as to discharge a fine jet in the bottom of bucket to keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only, and a very necessary feature to a spray pump.

Price, with 3-ft. Rubber Hose.....\$3.50

Price, with 8-ft. Extension Pipe..... 4.00

COMET SPRAYING PUMP

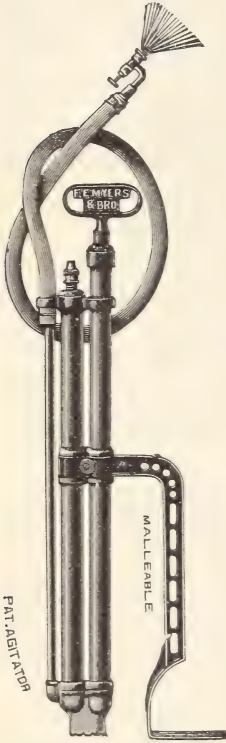
It is double acting and throws a continuous stream fifty to sixty feet. Each No. 1, Comet Pump is furnished without extra charge with 2 feet of 2-ply cloth insertion hose, one plain nozzle and one each flat and spoon spraying attachment.

For spraying plants, vines and flowers, washing windows and carriages, sprinkling lawns and gardens, applying liquid poisons or fertilizers and white washing poultry roosts and out houses this outfit is all that is required and will do same work as other makes of sprayers costing \$5.00 to \$6.00.

Price, No. 0\$1.75

Price, No. 1 2.00

Price, No. 1½ 2.50



SEEDS AND IMPLEMENTS

Insect Destroyers.



The great merit of this Insecticide lies in its non-poisonous properties. No danger need be apprehended by the person applying it, nor will it injure animals, should they eat it—unless in large quantities. It does not render injurious the vegetables or fruits to which it is applied, and yet it is probably the best Insect Destroyer that has ever been offered. It is particularly useful for the prevention and destruction of Potato Bugs and all Worms and Insects that infest our gardens.

Five-pound package for **25** cts. Ten-pound package for **45** cts. Special prices on larger quantities in bulk.

BORDEAUX MIXTURE.

Ready for use by simply adding water.

One-pound box, **15** cts., makes five gallons spray; Five-pound box, **60** cts., makes twenty-five gallons spray.

WHALE OIL SOAP.

Makes an elegant wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

One pound **15** cts. Five pounds **60** cts. Nine pounds **\$1.00**. Large quantities at special prices.

Bug Death.



DIRECTIONS for Using in Water.

Add $12\frac{1}{2}$ pounds to 80 gallons water, and mix thoroughly.

1-lb. pkge. **15c.**
3-lb. pkge. **35c.**
5-lb. pkge. **50c.**
12½-lb. pkge. **\$1.00**

100 lbs.... **7.00**

Add 17c. per lb. for postage.

Perfection Shaker. **65 cts.**, for applying Bug Death to potato vines.

Rubber Atomizer, **75 cts.**, for applying Bug Death to currant bushes, cucumber, squash and other small vines, bushes, house plants and poultry.

Bug Death is a patented, non-poisonous powder and is entirely different from anything that has ever been placed on the market, and overcomes all the objections to the deadly poisons that the farmers have been obliged to use in the past. It is just as effectual as Paris Green and other dangerous insect powders.

It is sure death to the potato, squash and cucumber bugs, currant and tomato worms, also other plant and vine-eating pests.

Paris Green.

In any quantity at lowest prices.

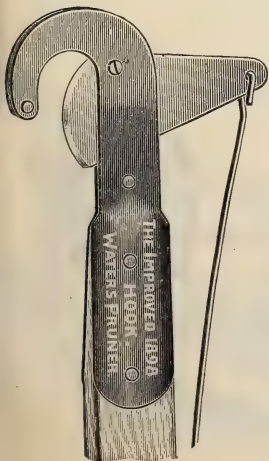
WATERS' TREE PRUNERS.

Waters' Tree Pruner is the only pruning implement which requires no skill in sharpening.

It is least liable to get out of order.

It will last a lifetime.

4 feet long... **\$.75**
6 feet long... **.85**
8 feet long... **.95**
10 feet long... **1.00**
12 feet long... **1.10**
14 feet long... **1.25**
Extra knives, 20 cents.



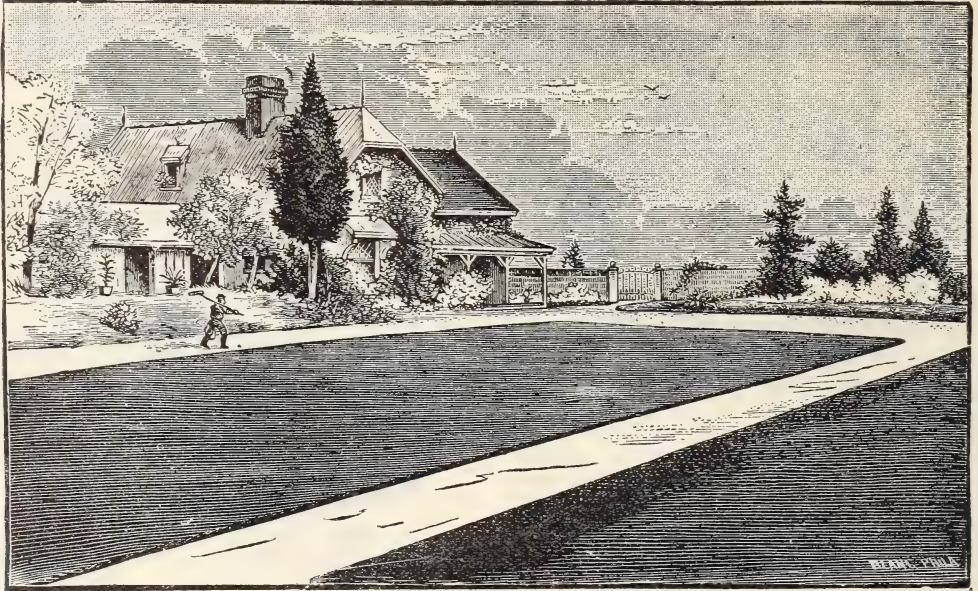
Burlap Hot-Bed Mats.



Heavy burlap exterior with wool filling, securely quilted and bound. An excellent winter covering for hot-beds, cold frames, in fact, anything requiring a heavy mat covering for winter protection. 76 x 76 inches, **\$1.25** each.

P. MANN & CO., WASHINGTON, D. C.

CAPITAL CITY LAWN GRASS SEED.



Our mixture of Grass Seeds for Lawns, Parks, Tennis and Cricket grounds is composed of the finest varieties of grasses, each of which has its season of beauty, and the result of this blending is the producing of a sod that is not only always evergreen and velvety in appearance, but of the color and beauty of the emerald.

Seeding is preferable to sodding, because it is cheaper, and will soon cover the earth with a luxuriant growth of thrifty grass and if fertilized spring and fall will last indefinitely.

Frequent mowing prevents natural seeding, which grasses annually supply in abundance to restore and thicken sod.

Hence, when the grass is injured by tramping or thinned by other cause, the best and most natural method to restore its beauty is to sow seed plentifully. Use two pounds of seed on a space 20 x 40, or 800 square feet.

To prepare the ground for seeding Lawn grass, it should be plowed deeply, cross plowed, and the soil finely pulverized and enriched. Use fertilizer and avoid the danger of an importation of seeds, the growth of sorrel, weeds, etc., liable to be in barnyard manure.

These seeds should be covered very slightly and a roller run over the ground after sowing. Pt. 10c. Qt. 20c. Lb. 25c. Pk. 75c. Bu. (of 14 lb.) \$2.50.

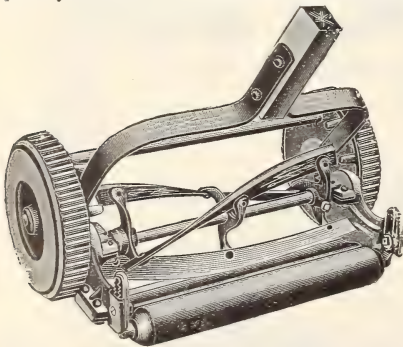
LAWN FERTILIZER.

Old and New Lawns Require Stimulating after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this purpose our high grade bone meal is the best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to first of May for spring and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. 10 lbs. enough for 250 square feet. 10 lbs. 30c. 100 lbs. \$2.50.

UNIVERSAL LAWN MOWER.

This is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money.

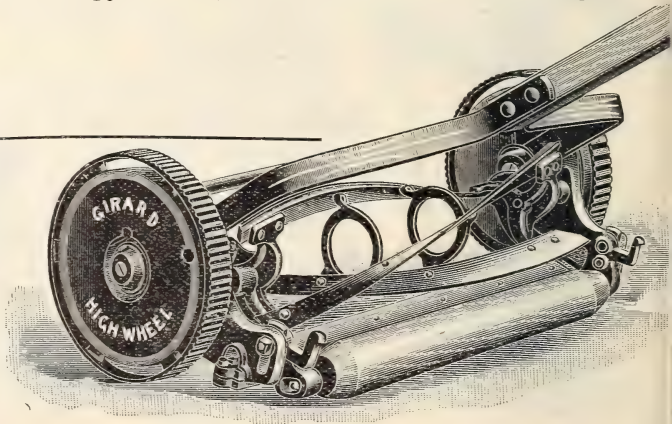
Price, 10 inch cut, 7 inch wheel	-	-	-	\$2.50
" 12 " 7 "	-	-	-	3.00
" 14 " 7 "	-	-	-	3.25
" 16 " 7 "	-	-	-	3.50



THE GIRARD HIGH WHEEL LAWN MOWER.

The increased height of the wheels is made to meet the popular demand for a wheel larger than the regulation size at the lowest possible cost. It has open cylinder, cast-steel hardened and tempered cutting knives, improved ratchet and good adjustment.

14 inch.....	\$5.00.
16 ".....	5.50.
18 ".....	6.00.



SEEDS AND IMPLEMENTS

FERTILIZERS.

FOR THE FARM, LAWN, GARDEN AND GREENHOUSE.

We have located our factory at Four Mile Run, Virginia (on the Potomac River), and are prepared to manufacture our well-known brands of Fertilizers, which we offer to the gardeners and farmers of Maryland and Virginia. When in the market, get our prices.

PURE RAW BONE. ANALYSIS.

Bone Phos. of Lime	47	per cent.
Ammonia	4	"

Put up in 200 pound bags, 10 bags to the ton.

POTOMAC AMMONIATED SUPER-PHOSPHATE.

This well-known brand of Fertilizer, of which we have been manufacturers for the past 25 years, is highly recommended for potatoes, cabbages and general garden truck.

ANALYSIS.

Ammonia	4	per cent.
Potash, K. O.....	1½	"
Nitrogen.....	3	"

Put up in 167 pound bags, 12 bags to the ton.

HIGH GRADE SPECIAL TOBACCO AND CORN FERTILIZER.

CAN FURNISH HIGH GRADE

Nitrate of Soda, Muriate of Potash, Ground Fish and Tankage, Dissolved South Carolina Rock and Land Plaster.

PRICES WILL BE GIVEN ON APPLICATION.

P. MANN & CO., WASHINGTON, D. C.

POULTRY SUPPLIES.



farmers and others, whenever the fowls affected and remove them immediately, to prevent the spread of the disease. The practice is, happily, no longer necessary since the introduction of **Haven's Roup Pills**.

Price, per box, **25 cents**; by mail, **28 cents**. Per dozen, by express, **\$2.50**. Box of 250 pills, **\$1.00**.



which insures perfect assimilation and robust health, without which the best results cannot be obtained. It makes hens lay in summer and winter. Price, 1-lb. package, **25 cents**; by mail, **44 cents**. 2½-lb. box, **50 cents**; by mail, **94 cents**. 6-lb. box, **\$1.00**. 10-lb. box, **\$1.50**. 25-lb. box, **\$3.50**.

China Nest Eggs, **25 cents** per dozen,

BRADLEY'S SUPERIOR MEAT-MEAL

As now prepared is unrivaled. It is not only rich in Protein; which furnishes an abundance of Albumen, but in Nitrogen, Bone Phosphate Fat; the proportions being so arranged as to best develop the body and maintain the health of the birds.

Its use insures a structurally perfect egg, and this means more



CLIMAX CONDITION POWDERS FOR STOCK AND POULTRY.

The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also as an excellent medicine for Horses, Cattle, Sheep and Hogs. All who have used Haven's Climax Condition Powders once will have it again.

13-oz. package, **25 cents**; by mail, **40 cents**. 32-oz. package, **50 cents**. 5-lb. box, **\$1.00**.

HAVEN'S ROUP PILLS.

For the Cure of Roup, Catarrh,
Colds and Distemper.

It was formerly the habit of fanciers, and is excellent for feeding young chicks. For large fowls mix one ounce with the food for 15 or 20.

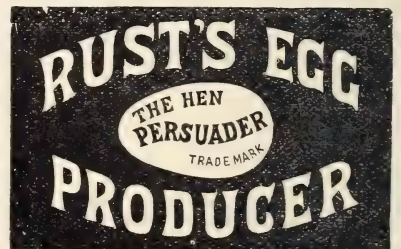
For 15 or 20 chicks, give one-half ounce every other day. 1½-lb. package, **25 cents**. 5-lb. package, **60 cents**. 12-lb. bulk, **\$1.25**. 25-lb. bulk, **\$2.50**.

Pratt's Food for Horses, 7-lbs. **50 cents**. 12½-lbs., **75 cents**. **Pratt's Animal Regulator**, 25-cent package.

MAKES HENS LAY WHEN EGGS ARE HIGH PRICED.

A scientific combination of substances which, when assimilated by fowls, produce eggs, plumage, growth and development, exactly as certain foods produce milk in cows or fertilizer increases crops.

It contains, in addition, valuable tonics and remedial agents,



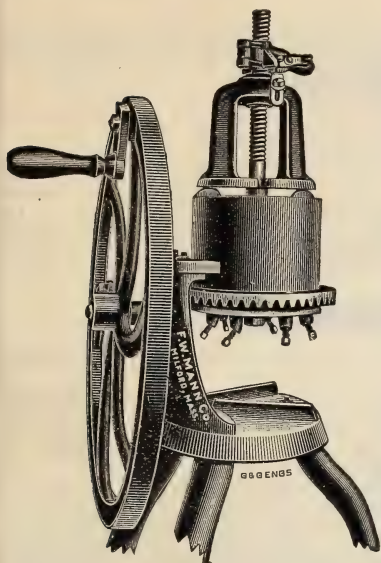
chickens and better chickens from your eggs—a special point for those who hatch winter chickens to keep in mind.

A considerable amount of liver is now used in its construction, thus preventing any tendency to scour, which is so common a fault with all other animal meal. It is not weighted with grit or oyster shells, like some imitations sold at prices which may seem cheap, but in fact are dear. Put up in **White Bags, Printed Red**. See that the trade mark is on every package, and take no other. 100-lb. bags, **\$2.50**. 50-lb. bags, **\$1.25**. 25-lb. bags, (trial size), **75 cents**.

Beef Scrap. Ground Oyster Shell. Crushed Bone. Mica Grit.

Clover Meal for Poultry.—By all odds the best and most economical way of feeding clover. Can be fed in mash with other food. 50-lb. bag, **\$1.25**. 100-lb. bag, **\$2.00**.

SEEDS AND IMPLEMENTS



MANN'S BONE CUTTER.

The feed is both automatic and self-governing and successfully adapts itself automatically to the operators' strength, and the self-governing feed never feeds faster than the operator can cut easily. The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily. Cuts all gristle and meat. Nothing escapes uncut. A bone cutter that successfully cuts all kinds, hard and soft bone, gristle and meat, and will not clog or choke is the cutter to buy.

PRICES MANN'S CUTTERS.

No. 5 C, with crank handle	\$6.00
No. 5 B, with balance wheel	8.00
Na. 5 BM, with balance wheel, on rod stand	10.40
No. 7 with balance wheel, on iron stand	12.00
No. 11, Power Machine	25.00

Other Hand and Power Machines' prices on application.

No. 5 C, Capacity not equal to 5 B.

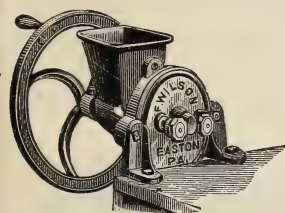
No. 5 B, same machine as 5 BM. Same capacity, but has no iron stand.

No. 5 BM intended for 15 to 25 hens. Mounted on iron stand. Capacity, 15 to 20 lbs. per hour.

No. 7, intended for 40 to 100 hens. Capacity, 30 to 60 lbs. per hour.

No. 11, intended for large flocks of over 100 fowls. Capacity, 100 lbs. per hour.

The capacity of these machines is approximate, as it cannot be stated positively. It depends entirely upon how the operator sets the machine and how fast he turns the power wheel. It is within his own control.



WILSON'S BONE AND SHELL MILL.

No. 1.—Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used.

Will also grind corn.

Weight, without stand 33 lbs. \$4.00

Weight, with stand 64 lbs. 7.00

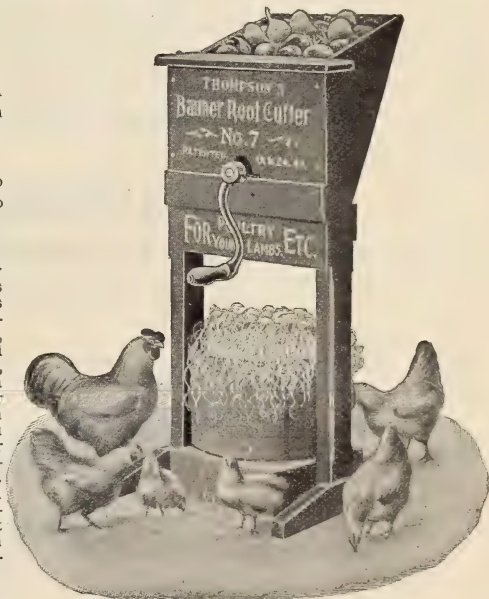
Caponizing Tools.



Every poultry man knows that Capons are much larger fowls, sweeter and finer meat, and sell at a much higher price than others. You can do your own caponizing easily. Book with full instructions sent free with each set of instruments.

Price in Leather Case, with instructions\$2.75

THE BANNER ROOT CUTTER, FOR POULTRYMEN.



Two sizes for poultrymen and lamb breeders. The Nos. 7 and 26 are made with knife to cut fine—that is, cutting, shredding and preparing roots for feeding poultry and young lambs. The No. 7 Hand Cutter has been out seven years, and thousands of them are in use among poultrymen; weight, 50 pounds.

The No. 26 is for large feeders who want a Cutter to use by power. It is supplied with one pulley and crank, or crank only as desired, is strong and stout to stand power use; weighs about 110 pounds.

The Patent Banner Knife is used on these Cutters, so the cut feed coming from all is alike and can be fed to all poultry, large and small. These machines solve the problem of "Winter Eggs" by providing summer conditions in the winter.

Prices:—No. 7 Root Cutter	-	-	-	-	\$ 5 00
" 26 "	"	"	with crank	-	12 00
" 26 "	"	"	with pulley and crank	-	13 00



CORN SHELLER.

Original in every feature. Never breaks or fails to do good work. Shells fast. Shells clean. Shells easily.

Price \$2.00.

P. MANN & CO., WASHINGTON, D. C.

Steel King Plows.



Number.
 "Pony"
 "A"
 "B"
 "C"
 "D"

Same size as Oliver Pattern.

(No. A)
 (" B)
 (" 10)
 (" 13)
 (" 19)

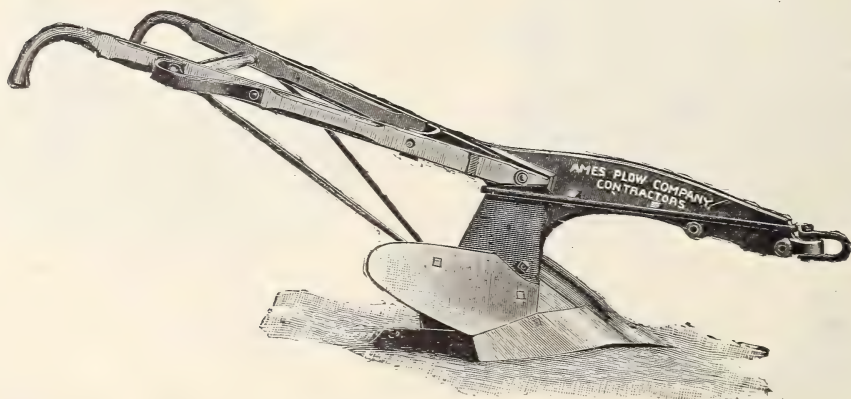
Plow.
 \$2 50
 3 00
 3 50
 5 00
 6 00

Plows include wrench
 and one hardened
 steel share extra.

The base of these plows is made entirely of steel, with hardened steel share. Landside has suction device for regulating in hard ground. The success attending the introduction and sales of these plows the past season enables us to offer them again with confidence. They are well made, nicely finished, and do first-class work. We have greatly reduced prices of both plows and repairs, and this will add greatly in making the "Steel King" the popular plow.

CONTRACTORS' AND ROAD PLOW.

No. 303. Grader, Truss Beam—Steel Point and Yoke for Handle
 The Strongest Plow Made.



For use by four to eight horses on all contract work. Has been used in cemented gravel, street pavements and other hard materials. The illustration shows the plow rigged for grading. We furnish it specially arranged for plowing into sewers and ditches rigged with short mouldboard, wheel and cutter when desired.

Price \$25.00.

We carry in stock a full line of Contractors' Plows in all Sizes. Prices on Application.

Genuine Oliver and Roland Chilled Plows, Farmers' Friend Plows, Minor & Horton Plows, Repairs for the Imperial and all other Leading Plows.

SEEDS AND IMPLEMENTS

Gibbs' "Imperial" Steel Beam Plows.



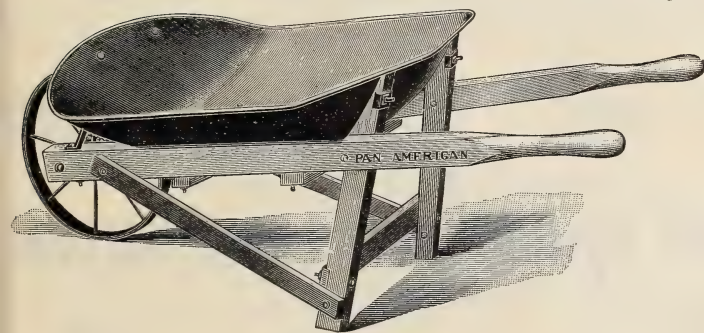
No. 10½ L. H. Steel Beam Plow.

Imperial Plows are made in all sizes, steel, chilled or combination, from a small pony to a large two or three horse plow, either right or left-hand. Wood or steel beam, with or without wheel and jointer, knee cutter, fin cutter, rolling cutter; improved to date.

Imperial Hillside Plows in wood or steel beam, all sizes.

Price, No. 10½, Steel Beam	\$10.00
Price, No. 12, Steel Beam	11.00
Price, No. 1, Road Plow	14.00
Wheel extra	1.00
Jointer extra	2.00

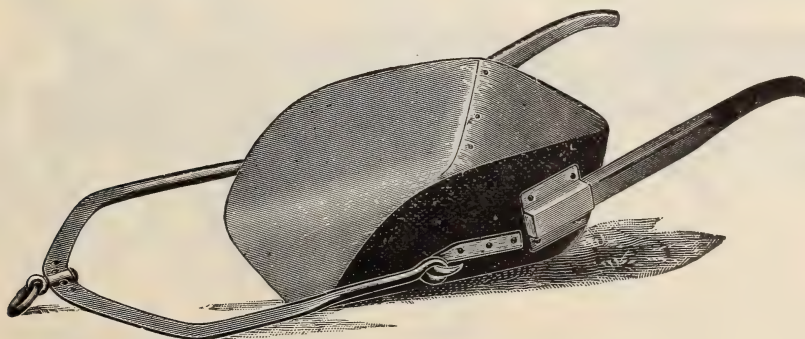
Pan-American Steel Tray Barrow.



One of the strongest barrows made. Full size tray. Put together entirely with bolts.

Price, with 16-inch steel wheel.....\$3.75

The Syracuse Steel Drag Scrapers.

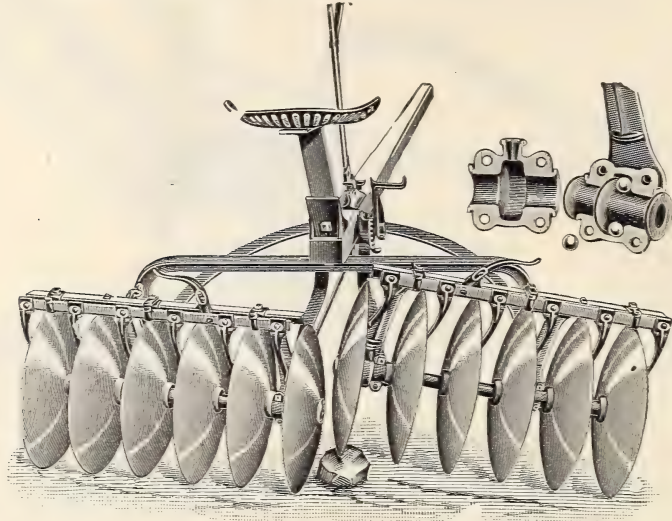


No. 1, capacity 7 cubic feet, weight 105 pounds.
 No. 2, capacity 5 cubic feet, weight 95 pounds.
 No. 3, capacity 3 cubic feet, weight 85 pounds—for single horse.
 Prices on application.

P. MANN & CO., WASHINGTON, D. C.

Buffalo Pitts Spring Flexible Disc Harrow.

WITH SPRING ACTION ON THE DISC GANGS.



The only Disc Harrow made having a spring pressure device, which alone places it far in advance of any competitor. The greatest objection to all other disc harrows is the "humping-up" in the center, causing the outer discs to run deeper than the center ones with consequent uneven depth of work. This is all overcome on the Pitts by a pair of flexible steel springs running from the pole to the main axle, controlled by foot of driver.

List Prices with Whiffletree and Yoke.

No. 0, Six 16-in. discs, 3-ft. cut.....\$22.50

No. 1, Eight 16-in. discs, 4-ft. cut..... 24.00

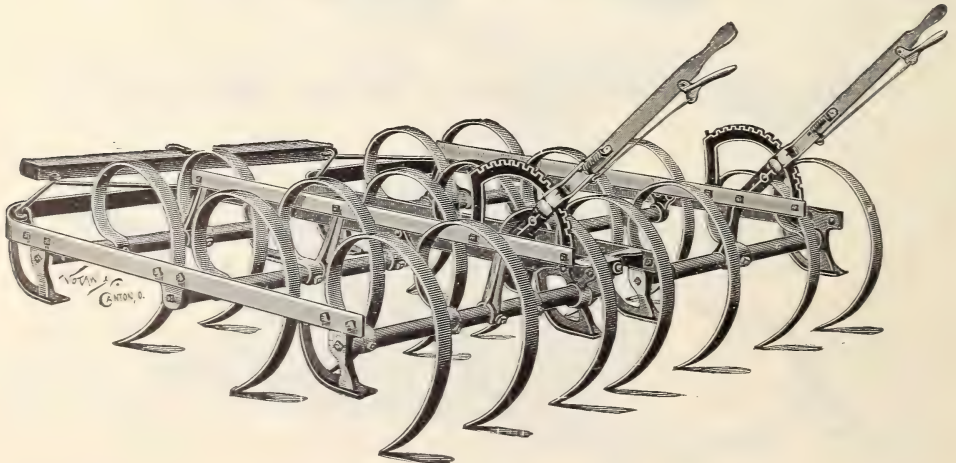
No. 2, Ten 16-in. discs, 5-ft. cut.....\$25.50

No. 3, Twelve 16-in. discs, 6-ft. cut..... 27.00

Prices subject to cash discount.

Improved Imperial Spring Tooth Lever Harrow.

WITH WHEELS OR RUNNERS.



All Steel Malleable Iron; teeth of finest spring steel, frame elevated on runners or wheels; prevents accumulation of trash; fitted with plain or self-sharpening teeth or reversible, renewable point teeth.

2-sections, 15 tooth.....\$16.00

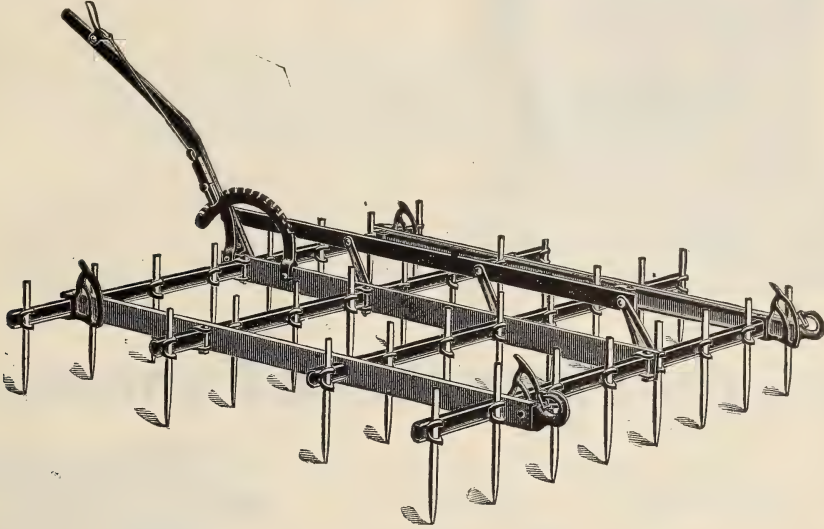
2-sections, 17 tooth.....\$18.00

SEEDS AND IMPLEMENTS

The Imperial "U" Bar Lever Harrow.

With $\frac{1}{2}$ In. and $\frac{5}{8}$ In. Square Teeth.

The Imperial "U" Bar Lever Spike Tooth Harrow is made in a strictly first-class manner throughout. In construction, this Harrow has many advantages over those of other manufacturers. The frame of the Harrow is channel steel, of good weight and strength. The "U" Bars pass through the main frame of the Harrow, and are held in position by a malleable clamp. This construction gives great strength to the Harrow and at the same time allows flexibility. Each section is fitted with four steel runners, one attached to each corner, for transportation. These runners, when the Harrow is at work, are on top of the frame and do not obstruct. By throwing the lever forward the runners are thrown down in a position which carries the entire Harrow off the ground.

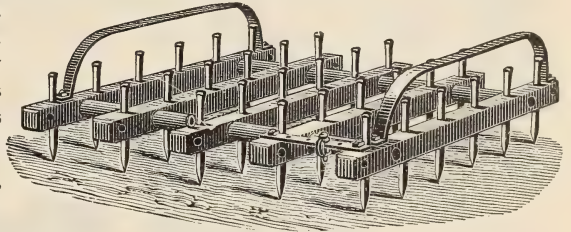


Size, 2-section, 50 teeth, $\frac{5}{8}$ inch teeth.....	\$10.50.
Size, 2-section, 60 teeth, $\frac{5}{8}$ inch teeth.....	11.50.
Size, 3-section, 75 teeth, $\frac{5}{8}$ inch teeth.....	16.50.

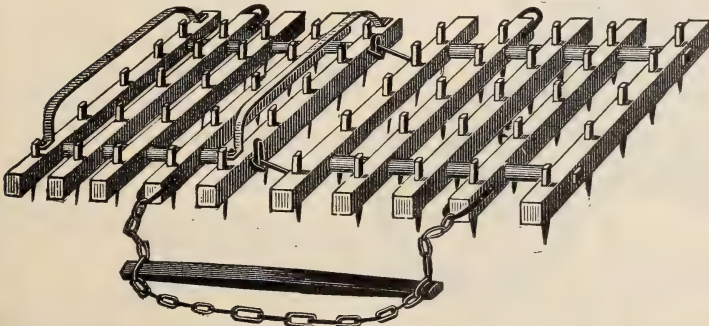
Kain Gardener's Harrow.

Made in one section, contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The harrow is strong and durable and is furnished with runners for transportation.

24 tooth harrow, cuts 3 ft. 8 in. wide....	\$6.00.
30 " " " 4 ft. 6 in. " ...	7.00



The Kain Two-Section Harrow.



We make two sizes of this harrow. The larger size has 50 teeth and cuts eight feet and six inches wide. The smaller size has 40 teeth and cuts six feet and six inches wide.

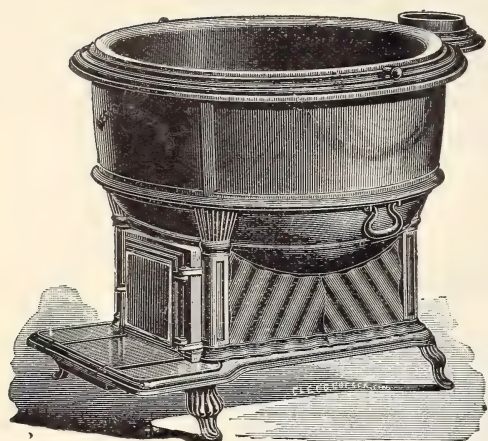
Our two-section harrows are guaranteed better made, better finish, and have more superior points of excellence than ordinary Scotch harrows, with which they should not be confounded.

2-section, 40 teeth.....	\$ 9.00.
3-section, 45 teeth.....	12.00.

The above cut represents the Kain Two-Section Harrow.

P. MANN & CO., WASHINGTON, D. C.

Furnace and Caldron.

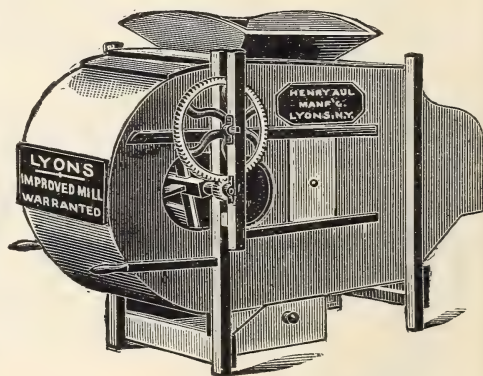


Are made in seven sizes, from 15 to 120 gallons. Our furnaces are arranged to burn either hard or soft coal, or wood. The flues are so constructed that instead of going direct to the smoke outlet, the heat is directed evenly against all sides of the caldron. This construction secures the use of all the heat generated and very little heat is wasted. The furnaces are shipped with legs and provided with handles so they can be set almost anywhere. They can be used out-of-doors and are instantly ready for use when the smoke pipe is attached. The fire boxes in the furnaces of the respective sizes are made for suitable lengths of wood. Coal furnaces are provided with coal grate and heavy fire-brick. Prices on application.

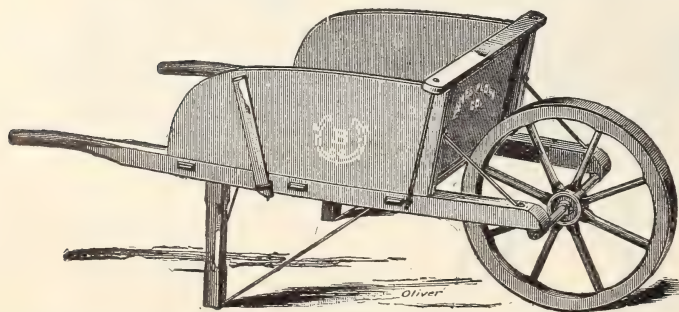
The Lyons Improved Fanning Mill.

In calling your attention to our Fanning Mill, we do so with a full sense of the high standard demanded of a machine by farmers and grain dealers, one that will do first-class work under all circumstances and on all occasions. The Lyons Improved Mill is, we think, the only Fanning Mill that is warranted in all respects as represented. They will clean from 60 to 100 bushels per hour in a perfect and satisfactory manner and they give universal satisfaction.

Price..... \$20.00.



Garden Wheelbarrows.



The Nos. 4, 5 and 6 -with our new eight spoke iron hub wheel, on steel axle, as illustrated.

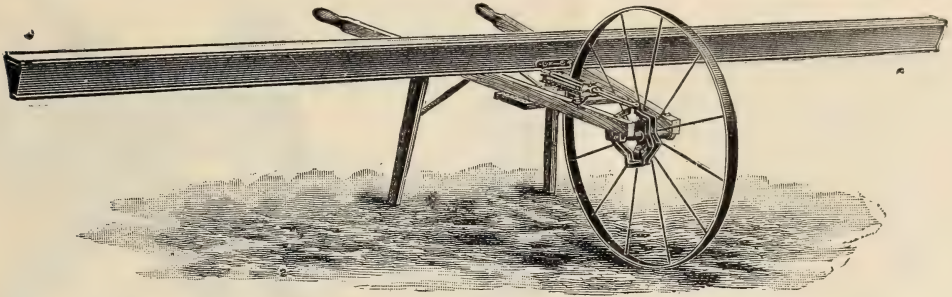
Nos. 1, 2 and 3 with our new six spoke wheel, on steel axle.

Price, No. 1, Boys' small...	\$3.00
" " 2, Medium.....	3.25
" " 3, Large.....	3.50
" " 4, Medium... ..	3.50

"BEEKMAN."—Painted Green, with Scroll on Side Boards.

SEEDS AND IMPLEMENTS

Star Force-Feed Grass Seeder.



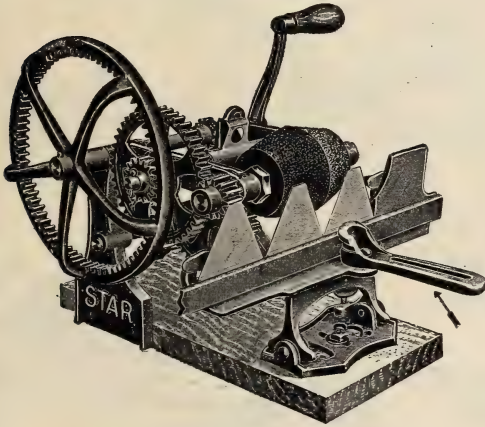
THE LATEST AND BEST WHEELBARROW SEEDER ON THE MARKET.

It not only forces the seed out when in operation, but prevents the seed from escaping of its own weight when not in use. The device for changing quantity is exceedingly simple, sowing from $2\frac{1}{2}$ to 46 pounds of clover seed to acre or any intermediate quantity. Seeders that change quantity by a bolt in a series of holes cannot sow the intermediate quantities represented by the space between the holes.

14 foot box, takes in two drill rows.....\$6.50
16 foot box, for orchards 7.00

Automatic Star Sickle and Tool Grinder.

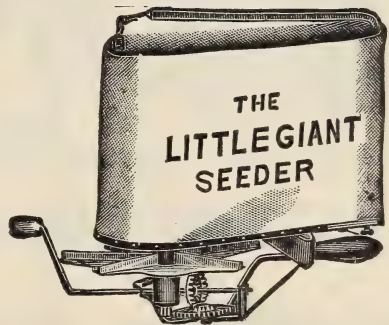
READY FOR OPERATION.



Weight 25 pounds.

Price.....\$4.50

The Little Giant Seeder.

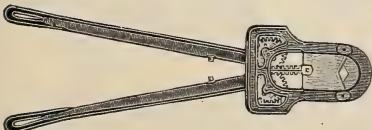


Price.....\$1.75

Cahoon's Patent Broadcast Seeder.

Price.....\$3.50

Dr. Leavitt's "V"-shape blade Dehorning Clipper Cuts all around the Horn as the Handles are Being Closed.



Price.....\$7.00

Knives cannot interlock, or cut into each other. It is our latest improvement, and is guaranteed to be superior to any other dehorner made. This style dehorner is made in the large size (No. 3) only, but will clip the horns, clean and smooth, from cattle of any age. Any style of our machines have the same power and guarantee.

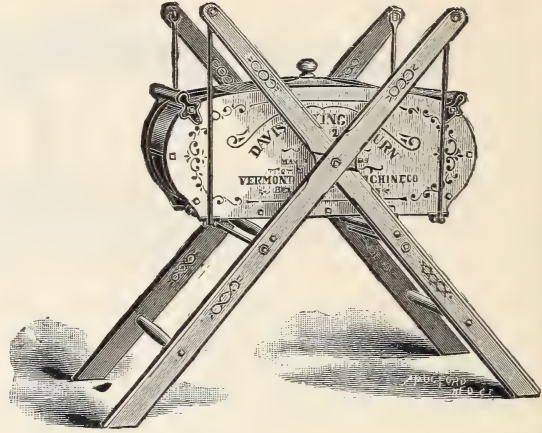
P. MANN & CO., WASHINGTON, D. C.

CREAMERY SUPPLIES.

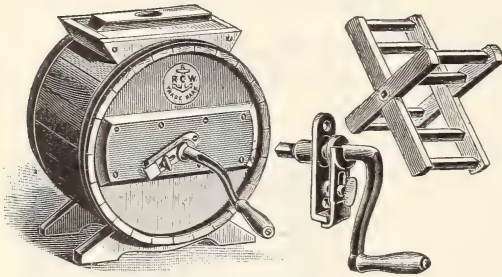
DAVIS SWING CHURN.

No.	Capacity.	Will Churn.	Price.
1.....	8 gallons.....	4 gallons.....	\$ 7.00
2.....	10 "	5 "	8.00
3.....	16 "	8 "	10.00
4.....	20 "	10 "	12.00
5.....	26 "	13 "	15.00
6.....	34 "	17 "	18.00
7.....	60 "	30 "	25.00

Has no floats or paddles inside. There is no danger of the cover coming off and spilling the cream. It requires less effort to work than any other. It is easily cleaned.



WHITE CEDAR CYLINDER CHURN.



DOUBLE DASHER.—THUMB SCREW LOCK.

We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw; which prevents leakage—lock cannot break. The top is large, and dasher easily removed. The best churn in use.

Price, No. 1,	3 gallons, each.....	\$1.75
" 2,	4 "	2.25
" 3,	7 "	2.50
" 4,	10 "	3.00

BUTTER PRINTS AND WORKERS.



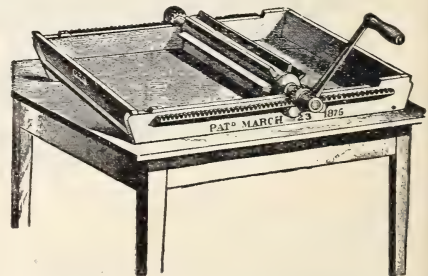
RICE'S CALF WEANERS

Also prevents cows from sucking themselves.

No. 1, for Calves, 30c.; by mail, 35c.
No. 2, for Heifers, 50c.; by mail, 56c.
No. 3, for Cows, 75c.; by mail, 85c.

REID'S BUTTER WORKER.

Consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain.



INSIDE MEASUREMENT.	CAPACITY.	WEIGHT.	LIST PRICE.	RETAIL PRICE.
No. 1—23x36x2 1/2 inches....	50 lbs.	45 lbs.	\$10.00	\$8.00
No. 2—20x36x2 1/2 "	30 "	29 "	8.00	6.40
No. 3—17x27x2 1/2 "	20 "	25 "	7.00	5.60
No. 4—14x23x2 1/2 "	10 "	20 "	6.00	4.80

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will be likely to want to work at a time.

SEEDS AND IMPLEMENTS

THE PLANET JR. GARDEN TOOLS.

A separate catalogue containing full line of the Planet Jr. Implements will be sent to all who apply for it.

Planet Jr. No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow.

Price, complete.....\$10.00
Price, as a drill only..... 8.00



This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season, at every stage of garden work. With this one implement the small

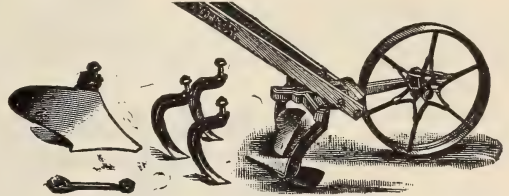
farmer can do practically all the work in his small crops.

A set of three rakes supplied when specially ordered. Price.....\$1.00

No. 12 Double Wheel Hoe, Cultivator and Plow.

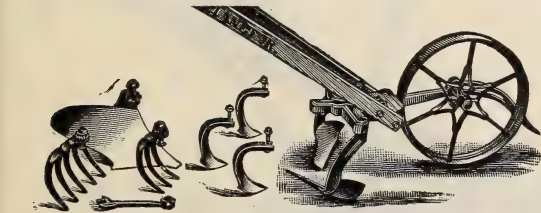
Price.....\$6.50

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments, and is sold at correspondingly less price. The tools shown and sold with No. 12 are what gardeners use most, and the others can be added when wanted.



Planet Jr. No. 16 Single Wheel Hoe, Cultivator, Rake and Plow.

Price.....\$5.35



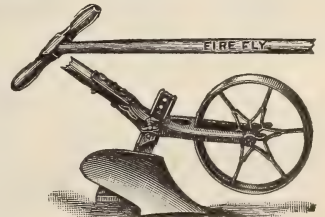
The latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick change frame. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all steel patent cultivator teeth; also a set of two rakes, just the thing for

preparing ground for the seed drill. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be howed at one passage.

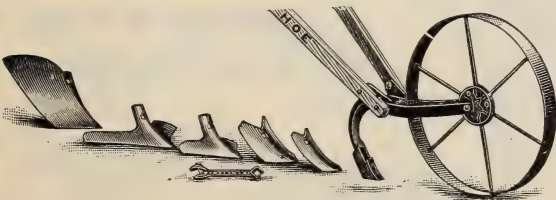
The Fire-Fly Garden Plow.

Price.....\$2.25

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken raisers will find it very useful in plowing up the scratch yards. The moldboard is of tempered and polished steel; the depth is quickly changed.



Farmers' No. 19 Single Wheel Hoe, Cultivator and Plow.—Price, \$3.50.

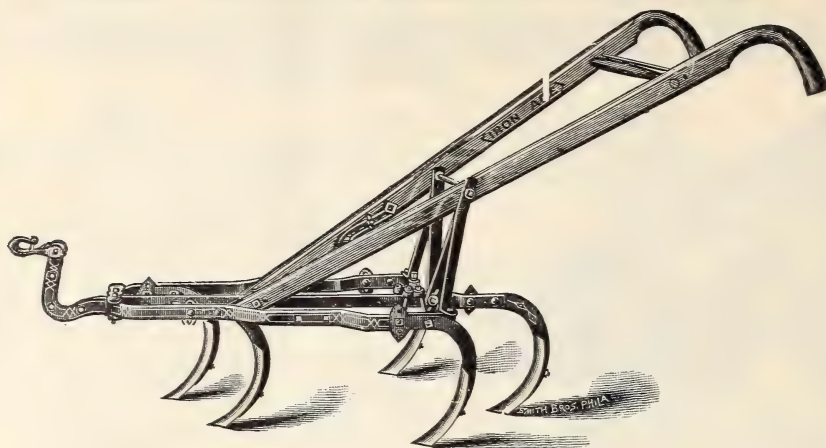


This new and attractive implement is especially designed for the Farmer's Garden Work, though it offers to everyone with either field or garden, a cheap and effective tool for all hand wheel hoe operations.

The wheel is high and is made with stiff steel rim and spokes, and a combination steel and malleable iron hub. The wheel arms are steel and the frame of the tool is attached adjustably to the wheel arms, so that the height of the handles may be readily changed to suit man or boy. The standard is slotted to make regulation of depth easy and by means of an adjustable malleable filling piece, the same standard is made to carry perfectly all the steels that come with the machine.

P. MANN & CO., WASHINGTON, D. C.

DIXIE STEEL FRAME CULTIVATOR.



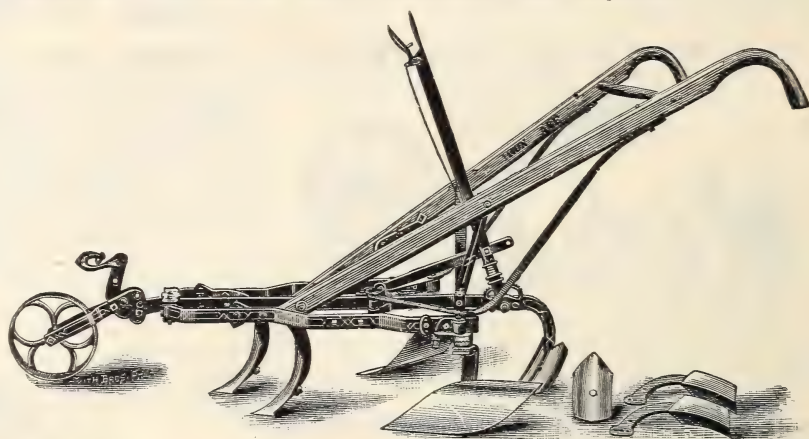
In all respects the best Five Tooth Cultivator built. Steel expanding frame, reversible steel teeth, with or without lever, as desired.

Price. . . . \$2.50. Add for lever expander.50c. Add for wheel.75c.

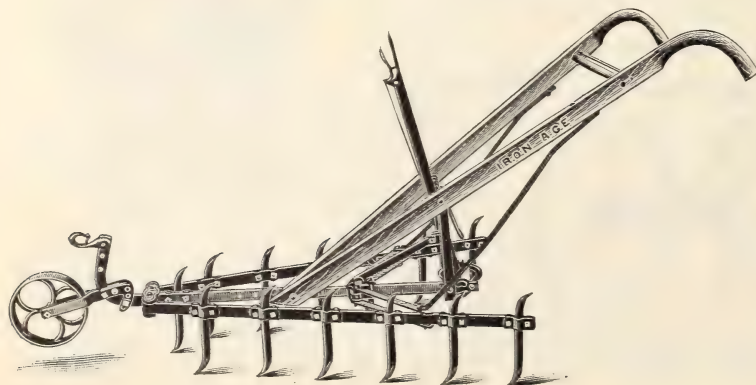
THE IRON AGE HORSE HOE.

Wheel and Cultivator Combination with or without Lever Adjuster.

The Iron Age is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoes are bolted to solid steel standards of their own (not attached to light cultivator standards). The value of the Iron Age as a corn coverer is now well known; also for covering peas, potatoes, etc., and for making up rows for root crops it is not surpassed.



Price, hoe and cultivator, plain. . . . \$4.50 With wheel. . . . \$5.50 With lever and wheel. . . . \$6.00



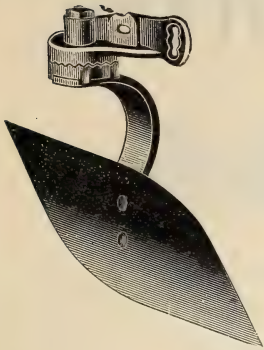
COMBINED HARROW AND CULTIVATOR.

Price, with lever. . . . \$4.25

Add for wheel.75c.

SEEDS AND IMPLEMENTS

SET OF HORSE HOE ATTACHMENTS.

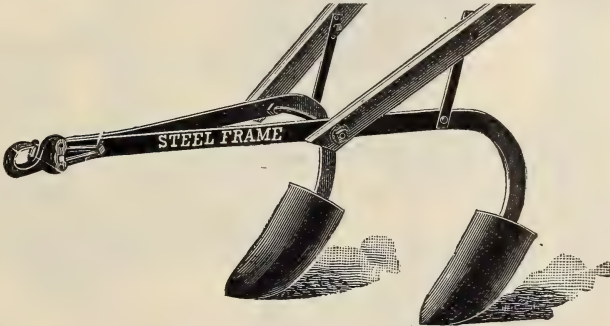


May be used to advantage in hoeing from or covering the crop. Attachable to either of above tools.

Price, per set.....\$1.35.

MALTA DOUBLE SHOVEL PLOWS.

Blade has two holes.
Cleviss is adjustable.
Frame all steel.
The beams on this plow are made of steel,
 $1\frac{1}{2} \times \frac{3}{8}$ inches.

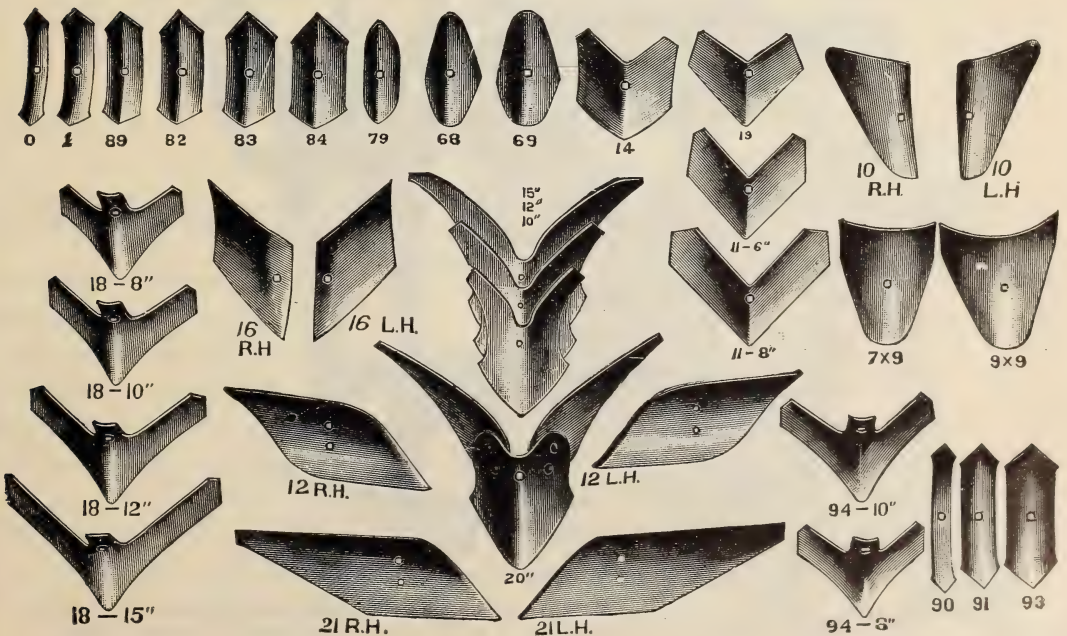


This gives the plow a light draft and the beams are stronger than those made of $1\frac{1}{2} \times \frac{3}{4}$ inch iron. Size of shovel, $6 \times 11 \times 7-16$ inch.

Price, Double Shovels.....\$2.50. Single Shovels.....\$2.25.
Triple Shovels.....\$3.50.

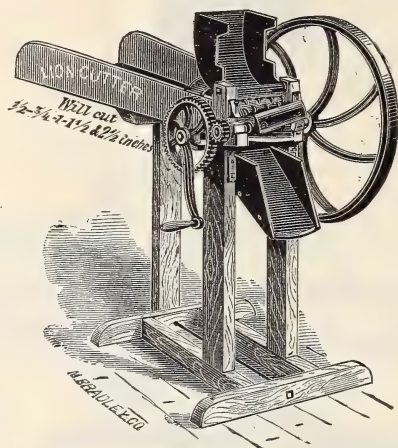
SINGLE, DOUBLE AND TRIPLE TREES AT LOWEST PRICES.

Iron Age Cultivator Points and Steels.



P. MANN & CO., WASHINGTON, D. C.

The Lion Feed Cutter.



DESCRIPTION AND SIZE.

No. 1 Machine, as shown in the above cut, has two knives $6\frac{1}{4}$ inches long; cuts $\frac{1}{2}$, $\frac{3}{4}$ and $1\frac{1}{8}$ inches long. Weight, 110 pounds.

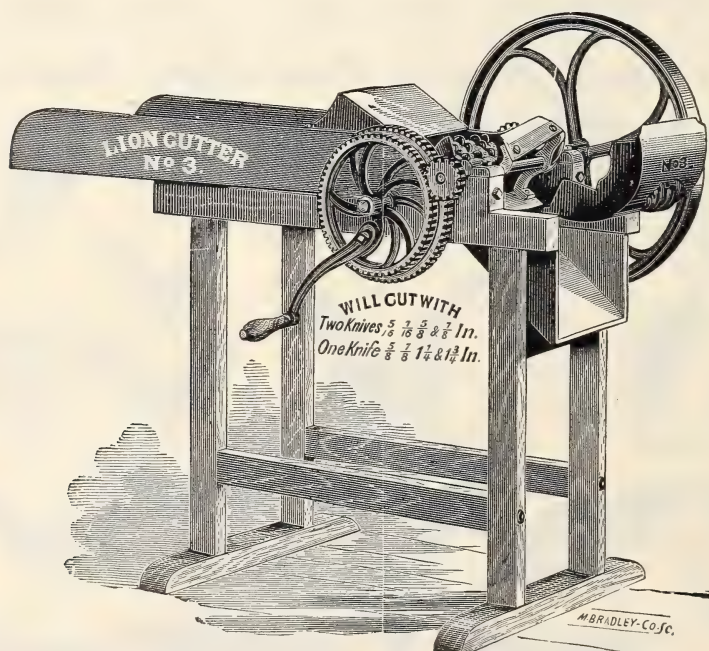
Price.....**\$13.00.**

No. 2 Machine, has two knives $7\frac{1}{4}$ inches long, good capacity; cuts $\frac{1}{2}$, $\frac{3}{4}$ and $1\frac{1}{4}$ inches long, same style frame as No. 1. Weight, 128 pounds.

Price.....**\$16.00.**

No. 3 Machine, with two knives $8\frac{1}{2}$ inches long, is the favorite Hand Machine, cuts 1-16, 7-16, $\frac{5}{8}$ and $\frac{3}{4}$ inches long. With one knife, cuts $\frac{5}{8}$, $\frac{7}{8}$, $1\frac{1}{4}$ and $1\frac{3}{4}$ inches. Shown in cut below. Weight, 155 pounds.

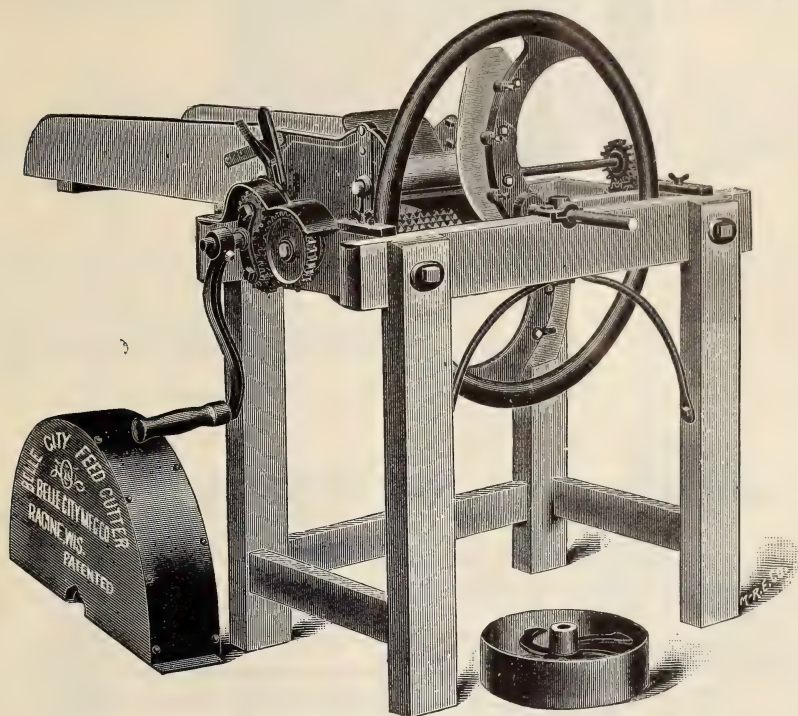
Price.....**\$20.00.**



LION FEED CUTTER NO. 3.

This pattern of Feed Cutter has been in the market several years, and has proved durable and an excellent machine in every respect. Being strong and compactly made, it is well adapted for domestic trade.

The Belle City Fodder and Ensilage Cutters.



The Belle City Fodder and Ensilage Cutter is acknowledged to be the **King of Cutters**, because its points of merit over all others are many. The first and a very important fact is, that this machine requires one-third less power than any other, doing one-third more work in the same time. Second is the Safety Attachment, making all danger to the operator impossible. The Safety Attachment is a lever by which the operator can stop the feed rolls as quick as he can put his hand on same, also reverse the feed by this lever and set the feed rolls revolving backwards, cleaning the mouth of the cutter, should it become clogged, without using his hand in the operation. It is a first-class cutter.

No. 11	Cutter, hand power, capacity 500 to 1,000 lbs. per hour.....	\$20.00.
No. 6	“ for hand or power, capacity 1,000 to 1,500 lbs. hay or corn fodder per hour....	25.00.
No. 4	“ “ “ “ “ “ 1,000 to 2,000 “ “ “ “ “ “	30.00.

Nobby Lever Cutter.

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rates,
and can be set up in a moment.

Price **\$3.25.**



P. MANN & CO., WASHINGTON, D. C.

GALVANIZED POULTRY NETTING — For Enclosing Poultry Yards.

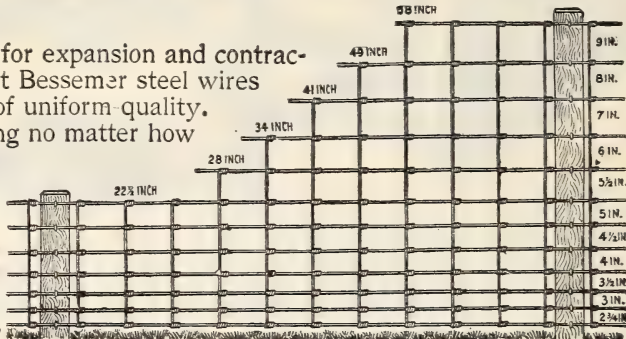


The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet. Prices 2-inch mesh. Staples for fastening, 10c. per lb.

No. 19	INCHES WIDE	SQUARE FEET	PER BALE	No. 20	INCHES WIDE	SQUARE FEET	PER BALE
"	12	150	\$.75	"	12	150	\$.68
"	18	225	1.12	"	18	225	1.05
"	24	300	1.50	"	24	300	1.35
"	36	450	2.25	"	36	450	2.02
"	48	600	3.00	"	48	600	2.70
"	60	750	3.75	"	60	750	3.37
"	72	900	4.50	"	72	900	4.05

AMERICAN WOVEN WIRE FENCE—All Steel.

Amplly provides for expansion and contraction. Only Best Bessemer steel wires used. Always of uniform quality. Never goes wrong no matter how great a strain is put upon it. Does not mutilate, but does efficiently turn cattle, horses, hogs and pigs.



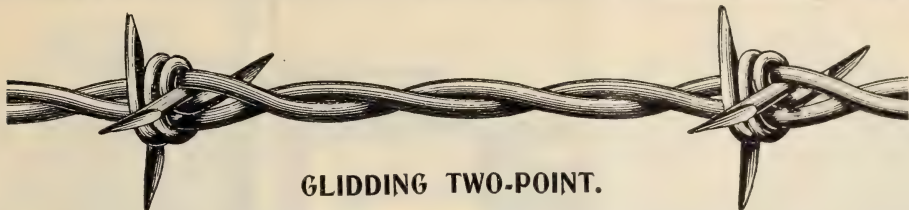
Made of large, strong steel wire. A perfect fence. Also "American" Steel Walk and Drive Gates. Catalogue of Fences with discount furnished on application. Put up in rolls of 10, 20 and 40 rods.

	STYLE NUMBER	LBS. PER ROD	PRICE PER ROD
Regular Style 12-Inch Stay	1258	11.75	\$.92
	1149	10.5	.82
	1041	9.5	.74
	934	8.5	.66
	828	7.5	.58
	722 1/2	6.5	.50
Regular Style 6-inch Stay	1258	14.75	1.16
	1149	13.25	1.04
	1041	11.5	.90
	934	10.5	.82
	828	9.25	.72
	722 1/2	8.	.62
Special Hog, Cattle and Horse Fence. 12-inch Stay	1155	10.8	.84
	1047	9.6	.74
	939	8.4	.66
	832	7.4	.58
	726	6.5	.50
	620	5.	.38
Special Hog, Cattle and Horse Fence. 6-inch Stay	1155	14.	1.10
	1047	12.4	.98
	939	10.8	.84
	832	9.4	.74
	726	8.	.62
	620	7.	.54

	STYLE NUMBER	LBS. PER ROD	PRICE PER ROD
Special Sheep and Horse Fence. 12-inch Stay	635	6.5	\$.50
Special Sheep and Horse Fence. 6-inch Stay	635	8.5	.66
Special Farm Fence. 12-inch Stay	949	9.	.70
	845	8.	.62
Special Farm Fence. 6-inch Stay	949	11.7	.92
	845	10.	.78

SEEDS AND IMPLEMENTS

Gavlanized Steel Barbed Fencing Wire.



GLIDDING TWO-POINT.

Main strands, Nos. 12 and 12½ gauge, steel wire. Regular or Cattle Wire has barbs about 5 inches apart. Thickest of Hog Wire has barbs about 3 inches apart.



CABLE OR TWISTED WIRE.

Made of two strands of Nos. 12 or 12½ gauge steel wire.

Ribbon and Plain Fence Wire.—Prices on above will be furnished on application.

THE

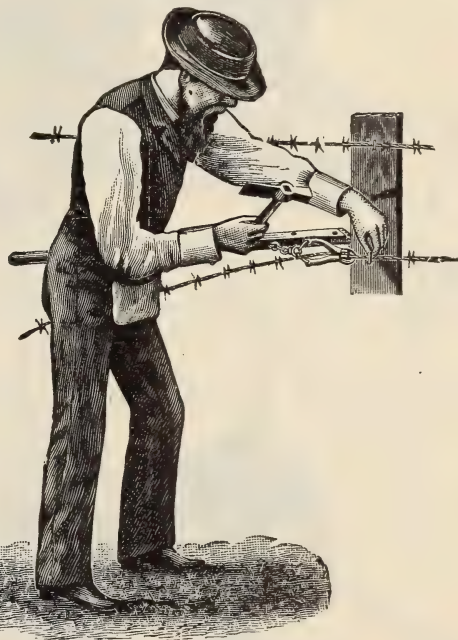
Townsend Wire Stretcher.

With this implement the person stretching the wire can nail it to the post from which he is stretching without assistance.

The only true principle for a Wire Stretcher.

It will give you better satisfaction than any stretcher you can find. Do not fail to get it.

Price.....75 cents



Little Giant - - 75 Cents.

Hercules - - - 25 Cents.



GIBBS POST HOLE DIGGER WITH SINGLE BLADE.

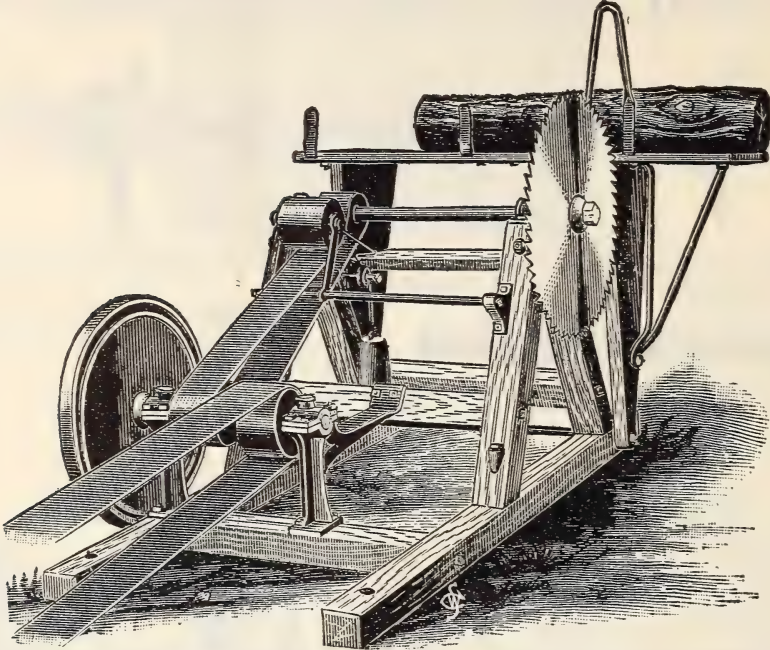
Works successfully in all kinds of soil
where most diggers fail.

ADVANTAGES.—Easiest operated. Very durable. More soil can be brought out at one time and with less labor. Scours or cleans better in mucky soil. All wearing parts have steel pins. Blade is made of best tempered cast steel; the rod and yoke are also steel. Only one blade to keep sharpened. Makes a hole of any desired diameter. By the use of the compound lever operating blade, ordinary stones that obstruct digging are readily loosened and removed. Best general purpose digger made.

Price.....\$1.75.

P. MANN & CO., WASHINGTON, D. C.

COMMON-SENSE SAW.



BALANCE WHEEL OUT OF THE WAY—WEIGHT, 350 POUNDS.

We have made numerous experiments on a saw as above shown, with balance wheel under the table, where it will be out of the way in sawing poles. Our first efforts were not successful, but we now have a saw that does the work and is a success. Farmers and others who use saws can at once appreciate the great convenience of this machine. It has a swing table, which is the best style for cutting cord-wood and poles.

Price.....\$45.00.

NO. 5 BUCKEYE COB MILL AND POWER COMBINED, FOR GRINDING EAR CORN OR SMALL GRAIN.



1. A rapid-grinding corn and cob mill.
2. A mill that grinds fine either ear corn or small grains without change of plates.
3. A cob mill, a mill for small grains, and a good two-horse power combined in one light-running machine. This mill has been thoroughly tested, and never fails to give satisfaction.

Price.....\$60.00. For extra sweep.....\$4.00.

SEEDS AND IMPLEMENTS

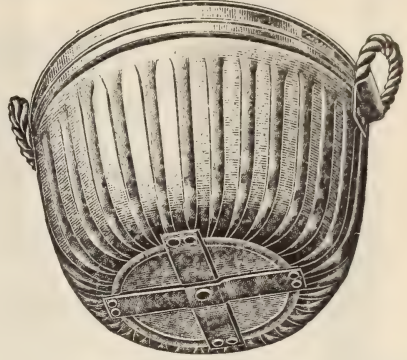
WATER TRUCK WITH BARREL.



Price, Plain Truck and Barrel, 1½-in. Tire **\$8.50**
 Price, Truck alone, with 1 pair Trunnions **6.50**
 Price, Pair of Trunnions alone **.75**
 Price, Extra 3½-inch Tire **2.00**

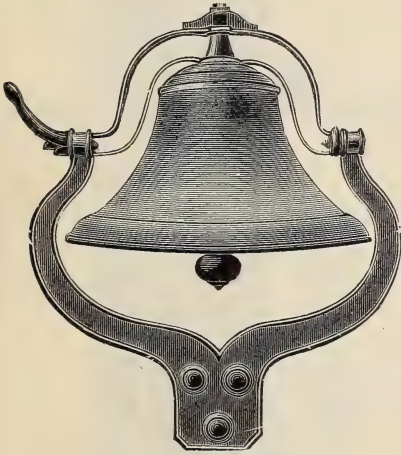
GALVANIZED STEEL BASKETS.

With re-enforced or Double Steel Bottoms.



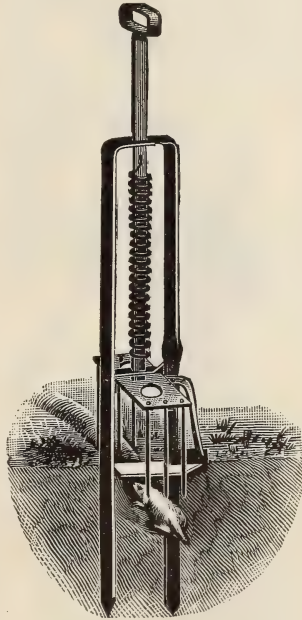
Bushel—A 101 **\$1.00**

FARM BELLS.



No. 1, 40 pounds.....**\$2.00**
 No. 2, 50 pounds..... **2.50**
 No. 3, 75 pounds..... **3.50**
 No. 4, 100 pounds..... **4.50**

REDDICK MOLE TRAP.



All the old traps boiled down into a better one at one-third the old price. This trap embraces all the good points found in high priced traps; it is simple, durable and practical. Easily set and does not get out of order.

Sure death to moles.

Price.....**\$1.00**

North's Improved Adjustable Wagon Springs.



The best Farm Wagon Spring in the World. No fruit grower can afford to be without a set—they are worth many times their cost.

Carrying capacity, 1000 pounds, per set.. **\$ 4.00**
 Carrying capacity, 1500 pounds, per set.. **6.00**
 Carrying capacity, 2000 pounds, per set.. **7.00**

Above prices subject to cash discount.

Carrying capacity, 2500 pounds, per set.. **\$ 7.50**
 Carrying capacity, 3000 pounds, per set.. **8.00**
 Carrying capacity, 4000 pounds, per set.. **10.00**

P. MANN & CO., WASHINGTON, D. C.

Buckeye Wood Pumps.

Improved Closed-Top Pitcher- Spout Pump

With revolving brake,
bolt fastenings and
cut-off base

Fig. 205 ½

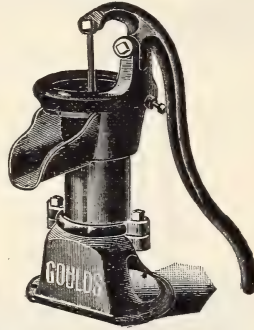
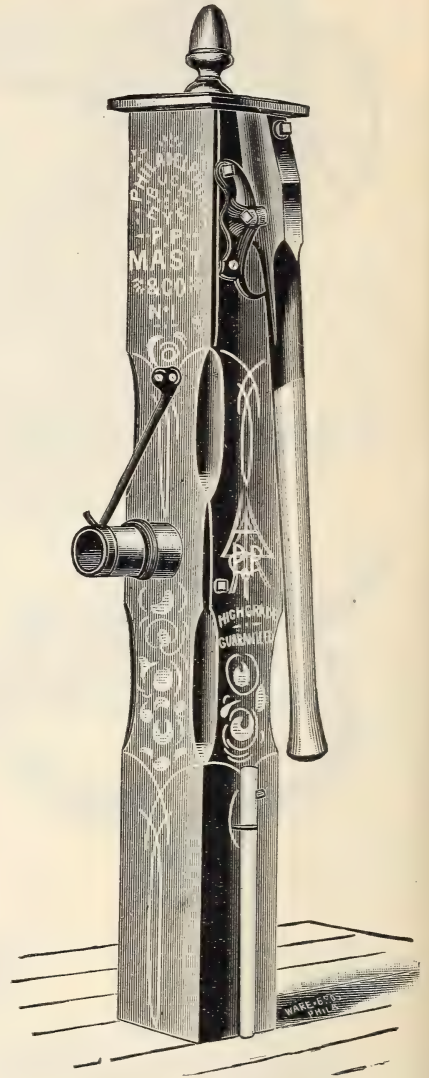
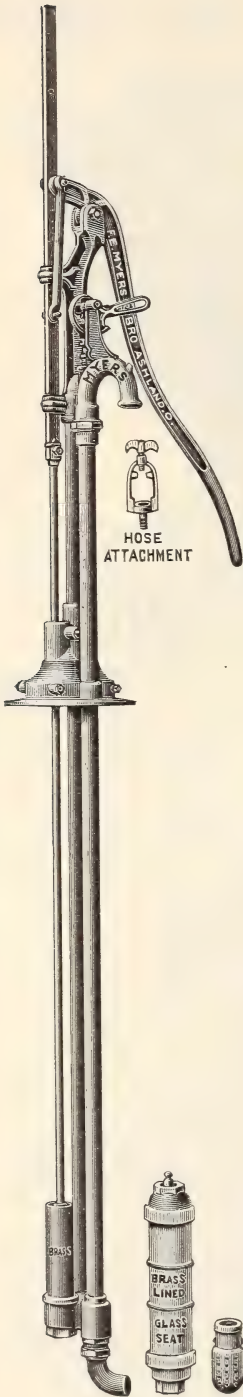


Fig. 205 ½ represents our Pitcher Spout Pump, with a closed top. It is often a cause of complaint with the Open Top Pitcher Pumps that they are apt to throw the water over the top when worked rather sharply. To obviate this, we have introduced a closed top with an opening only large enough for the rod to work through.

Price No. 2..... \$2.00
" " 3..... 2.25



**Porcelain Lined Pumps
are Recommended as the
Best and Most Satisfactory
in All Cases**

Myers Double Acting Force Pumps

Have patent glass valve seat. Patent drop valve. Brase or brass lined cylinder.

Prices furnished on application.

SEEDS AND IMPLEMENTS

BUCKEYE

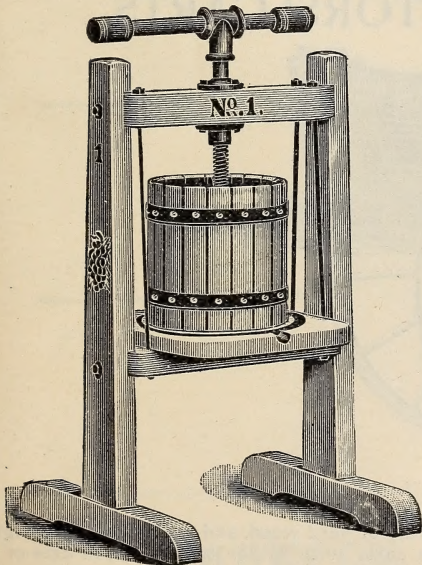
Cider Mill and Press.

MADE IN THREE SIZES.

These Mills have two curbs or tubes, so that you can grind into one while another man, or boy, is pressing the other. Two men can grind and press from four to six barrels of cider per day. It is intended for a hand mill, and the apples are easily ground by one-man power. The mills are neatly varnished and striped, and present an attractive appearance. We can confidently assert that no other Cider Mill has given such general satisfaction as the "BUCKEYE."

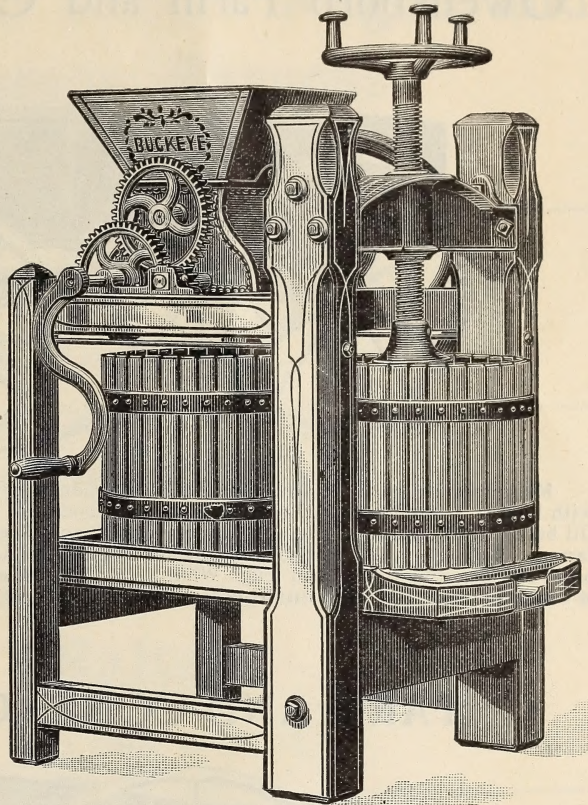
Junior Mill.....	\$13.00
Medium Mill.....	17.00
Senior Mill.....	22.00

No. 1 WINE PRESS.

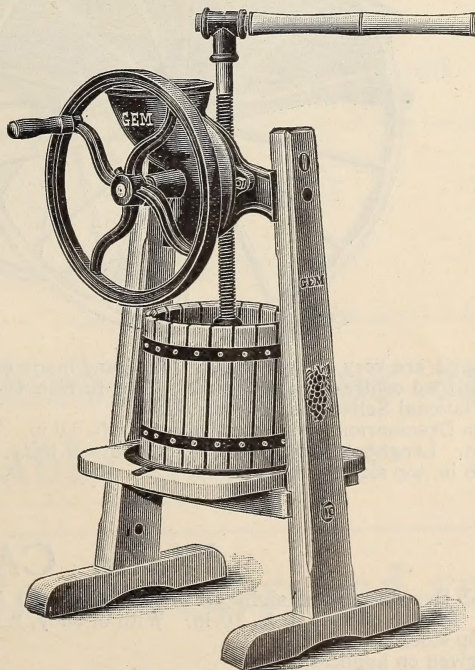


Made in three sizes, numbers 1, 2 and 2½. This press is substantially built of hard wood and is nicely finished. The screw is made of high-grade steel and is 1 inch in diameter and 15 inches long. The tube is 8½ inches in diameter, inside measurement, and 10 inches high. This is in every respect a high-grade press.

Price, No. 1.....	\$4.00
" 2.....	5.00
" 3.....	6.00



Family Cider and Wine Press.

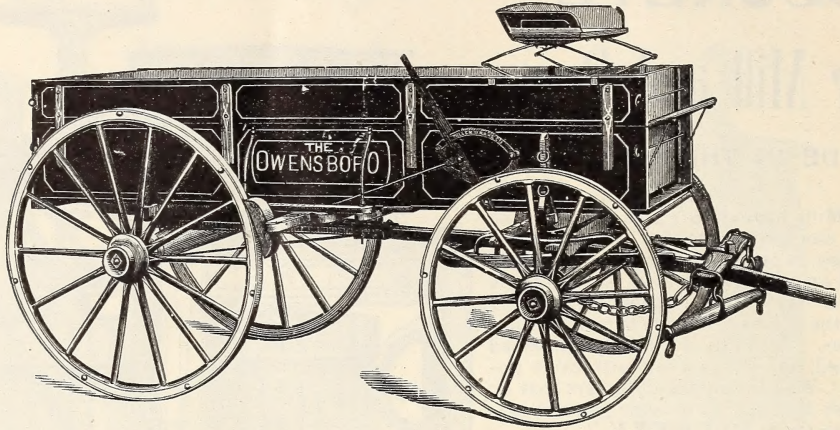


Made in two sizes, numbers 0 and 1. The No. 0 has a steel screw 1½ in. in diameter by 21 in. long, and is provided with one tub 10½ in. diameter, inside measurements, by 10½ in. high. The No. 1 has a screw 1½ in. diameter by 24 in. long, and is provided with one tub 11½ in., inside measurements, by 12 in. high.

Price, No. 0.....	\$ 9.50
" 1.....	10.50

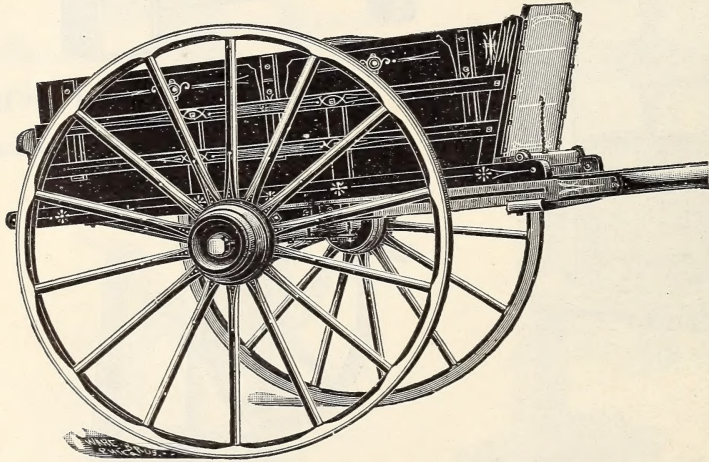
P. MANN & CO., WASHINGTON, D. C.

Owensboro Farm and Contractors' Wagons.



Made with patent Sand Arrester, Self Oiling Cast Skeins, Malleable Skeins, Solid Iron or Hollow Axles with high or low wheels. All wood work air seasoned and made weather proof by the use of boiled Linseed Oil before being painted. We use Pennsylvania Black Birch Hubs and White Oak Hubs as may be preferred. Beds are made of Seasoned Yellow Poplar, the Axles of Second Growth Black Hickory; all other parts of thoroughly dry upland tough White Oak. The general construction, finish, durability and lightness of draft has made the "Owensboro" a leader throughout the country.

FARM AND CONTRACTORS' CARTS.



These carts are very strong, heavily ironed and made entirely of hard wood, and are especially designed for use of railroad contractors and miners. We furnish these carts with either the solid iron axle or the celebrated National Self-Oiling Tubular Axle.

SIZE AND DESCRIPTION.—Height of wheels, 4 ft. 10 in. Tire, $3 \times \frac{1}{2}$ in. $2 \frac{3}{8} \times 11$ in. Tubular axle or iron axle 2×11 in. Length of body, 5 ft. 10 in. Width of body, 3 ft. in front and 3 ft. 2 in. behind. Sides 12 in. deep, with 6 in. top sides.

FARM CARTS.

SIZE AND DESCRIPTION.—Height of wheels, 4 ft. 10 in. Tubular axle $2 \frac{1}{8} \times 8 \frac{1}{2}$, or iron axle, $1 \frac{1}{2} \times 9$. Tire, $3 \times \frac{3}{8}$. Length of body, 5 ft. 10 in. Width of body, 2 ft. 11 in. front and 3 ft. 1 in. behind, 12 in. deep, with 4 in. top sides.

Prices given on application.

Double and Single Buggy Harness

\$7.50 to \$25.00

Double and Single Wagon and Express Harness

\$8 00 to \$40.00

Buggy and Wagon Bridles

\$1.00 to \$3.50

Riding Saddles

\$2.50 to \$10.00

Halters

25 Cents to \$1.50

Horse Brushes

25 Cts., 50 Cts., 75 Cts. and \$1.00

Curry Combs

10 to 25 Cents

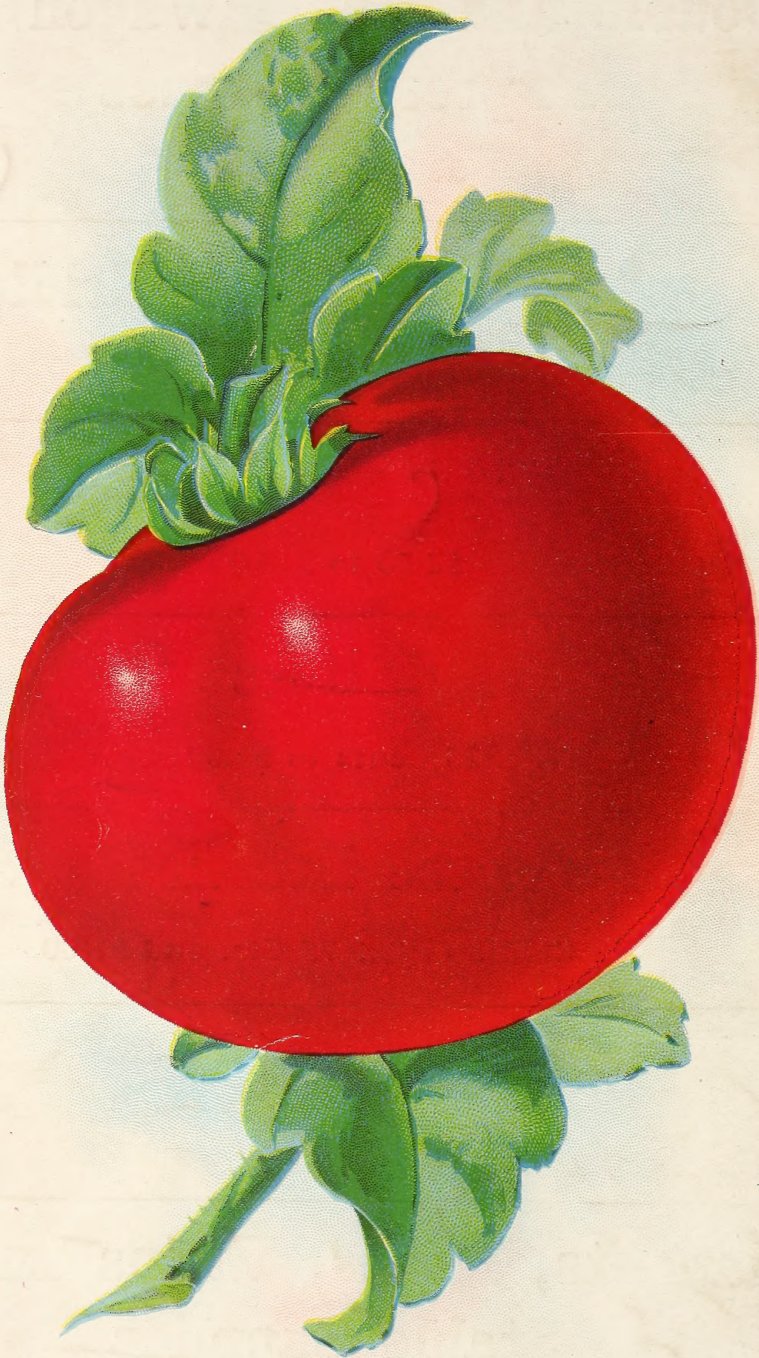
Blankets, Robes, Whips and all Stable Supplies

Harness made to order and repaired.

1904

P. MANN & CO.

ANNUAL
CATALOGUE



WASHINGTON, D. C.